Illinois U Library Meeting



BULLETIN OF AMERICA'S TOWN MEETING OF THE AIR

BROADCAST BY STATIONS OF THE AMERICAN BROADCASTING CO.



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How Can Schools and Colleges Teach Controversial Issues?

Moderator, GEORGE V. DENNY, JR.

Speakers

PAUL H. DOUGLAS GEORGE H. REAVIS JOHN M. VORYS

(See also page 13)

COMING

----September 28, 1948-----

Should the Taft-Hartley Law Be Repealed?

----October 5, 1948----

How Is Peace With Russia Possible?

Published by THE TOWN HALL, Inc., New York 18, N.Y.

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The account of the meeting reported in this Bulletin was transcribed from recordings made of the actual broadcast and represents the exact content of the meeting as nearly as such mechanism permits. The publishers and printer are not responsible for the statements of the speakers or the points of view presented.

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BULLETIN OF AMERICA'S TOWN MEETING OF THE AIR GEORGE V. DENNY, JR., MODERATOR



SEPTEMBER 21, 1948

VOL. 14, No. 22

How Can Schools and Colleges Teach Controversial Issues?

Announcer:

Tonight your Town Meeting welcomes you to historic Music Hall in Cincinnati where 4,000 people are assembled to consider the question, "How Should We Teach Controversial Issues in Our Schools and Colleges?"

Our host tonight is the Cincinnati Junior Town Meeting, one of the most active of the many Junior Town Meetings affiliated with the Junior Town Meeting League which boasts a membership of more than 5,000 teachers, students, and radio managers all over the country.

The Cincinnati Junior Town Meeting, produced by the Cincinnati public and parochial schools in cooperation with station WSAI, presents its meetings once each week on Monday nights at 9:00 o'clock Cincinnati time, always from a different high school. Participants are usually junior and senior students in these high

schools. The moderator is a member of the staff of WSAI.

After tonight's program you may decide that you would like to have a Junior Town Meeting in your town. For complete information address the Junior Town Meeting League, 400 South Front Street, Columbus, Ohio.

Now to preside over our discussion, here is our moderator, the president of Town Hall, New York, and founder of America's Town Meeting of the Air, Mr. George V. Denny, Jr. Mr. Denny. (Applause.)

Moderator Denny:

Good evening, neighbors. In many ways, this is one of the most important programs Town Meeting has ever presented. We are daring to cope with the question of how young minds should be introduced to controversial questions in our schools and colleges at a time when the number of controversial issues before us is

greater than ever; at a time when pressure groups and political propagandists are creating such a din in our ears, the still, small voice of conscience is scarcely audible and the stern, strong voice of education seems much less attractive to us than the glamorous show being put on by the political propagandists.

Let's face it, the biggest show of our times is the world conflict between the two most powerful ideologies in the world today, one centering in Moscow, the other in Washington, D.C. We're so much interested in this fight that we tend to overlook the tremendous importance of education as the first and foremost essential weapon to insure the preservation of individual freedom in the world today.

We could not have a more appropriate auspices than the Cincinnati Junior Town Meeting which has pioneered in this field under the direction of Dr. Reavis since the inception of America's Town Meeting of the Air. In spite of the great progress he's made here, I'm sure that Dr. Reavis is not wholly satisfied so that he's willing to participate in tonight's discussion to help clarify this important question, "How Should We Teach Controversial Issues in Our Schools and Colleges?"

Now let's get to the heart of the question. In the name of freedom of speech, should teachers, while examining totalitarian systems, be permitted to advocate a system

which would destroy freedom or speech itself?

On the other hand, is a teacher to be considered a dangerous Respective because he or she points out some of the evils and maladjustment of our present system?

When a class is studying comparative governments and is looking at the Constitution of the United States of America and the U.S.S.R., to what extent is the teacher justified in pointing out what, if any, has been each nation failure to live up to the provision of these documents?

These are practical question that each teacher faces. What techniques and resources are available to teachers of history, social studies, and the humanities that will help them train young mind to distinguish truth from false hood, good from evil, right from wrong, in the welter of today burning controversies?

Is there is any important distintion between teaching controversia issues in colleges and high schools

Who, and what agency, shoul determine policy regarding the teaching of controversial issues?

What penalties, if any, should be provided for the violation of such a policy?

These and similar questions wi be considered in our discussion to night. We will hear first from man who spent a lifetime teaching controversial issues in colleges and has stepped out into the forum of public opinion to seek public office He is a professor of economics at the University of Chicago, has served on the Board of Aldermen of the City of Chicago, has been president of the American Economic Society, was a brilliant officer of Marines in World War II, and is now a candidate for Senator for the Democratic Party for the State of Illinois. Mr. Paul H. Douglas. (Applause.)

Mr. Douglas:

Mr. Denny and friends, I think we can simplify this question if, instead of lumping all levels of education together and then drawing sweeping conclusions which we apply to them all, we instead separate four distinct levels of education and consider each separately. These four levels are roughly these: elementary education, high school, college, and finally, university or post graduate.

I think that nearly all will agree that what adults would call controversial subjects should not be taught as such in the elementary grades. Up to the age of 12 or 13, boys and girls will need all the time they have to master the basic skills of reading, writing, mathematics, etc., and also to become friendly and cooperative towards others.

On the other hand, I believe that nearly everyone, except Fascists and Communists, would also agree that controversial issues should be considered on the graduate levels of instruction, for if our college graduates are not competent enough to discuss controversial matters, who, under the heavens, are?

The real issue, therefore, narrows down to what should be done in the case of high schools and colleges. Even here, there are gradations, the case for considering controversial issues being stronger as one moves up the rungs of the educational ladder and weaker as one moves down.

There is one cardinal point, however, which needs to be kept in the very forefront of our thinking. All of these students will go out into a world filled with controversy. The vast majority of Americans still leave before they have graduated from high school. If the schools religiously refrain from even considering controversial subjects, these young men and women will go out into the world unprepared for the controversies which will soon engulf them. In this case, they will be less able to distinguish truth from falsehood and right from wrong than if they had some prior preparation. They will be more likely to be taken in by the arguments of propagandists who will commonly blend halftruths and falsehoods together so as to inflame rather than to inform. They will be less able to winnow out the true from the false or to blend different elements of truth together into a better whole. Uner these conditions, disaster may

come, both to men individually and to society as a whole.

If this is so, is it not proper that high schools, at least in the upper grades, should not only permit, but encourage, the consideration of given controversial issues?

Just as boys and girls are better businessmen and housewives if they have some prior training in arithmetic, so they are better citizens if they have some prior training in the subjects upon which they are later called to decide.

With all their faults, and they have many, do not the schools and colleges provide a clearer climate of opinion and more impartial treatment than is given in the battle of conflicting interests in the market place of public opinion?

This is the point of view which I hold. But I would immediately add some reservations to the principle. The subjects considered should not take up too much of the student's time. The subject should be fairly presented and the conflicting points of view adequately stated so that the students may have the chance to make up their own minds. The teacher should try to be as impartial as possible.

Students should, in short, be encouraged to become mature and moral men and women who can make careful and ethical choices.

There is a final word which I should add. The general presumption is in favor of freedom of teaching, of learning, and of thought, but this freedom is not

absolute. Where there is a clear and present danger, society has the right to curb freedom of expression if this freedom threatens the security or the existence of society. But the danger must be both clear and present.

In the case of Soviet Russia, the danger is now clear. It is not ye present, although unfortunately, i may become so.

Nevertheless, we should be reluctant to yield the tradition of freedom lightly. For in the long run (although not always in the short run) truth is the most power ful force in the world and can overcome error. In the words of Jefferson, we commonly "should not be afraid to tolerate error in reason be left free to combat it."

Once we start to suppress discussion, it is hard to stop and the presumption should be all in favor of freedom. If we are to have any faith at all, must we not believe that if men and women are given the facts in a fair and objective way, they will be led in most cases by their consciences to reach approximately correct decisions. It seems to me that it is this feature of life that we should be careful to encourage and not to kill off (Applause.)

Moderator Denny:

Thank you, thank you, Paul Douglas. Our next speaker is an experienced national legislator, hailing from Ohio's capital city and having served five terms in our national legislature. He's Congressman John M. Vorys, a member of the House Foreign Affairs Committee, an experienced Town Hall speaker—he speaks frequently on the Columbus Town Meeting—and we are very happy to welcome him to his third America's Town Meeting of the Air here tonight. Congressman Vorys. (Applause.)

Congressman Vorys:

Mr. Denny and friends of Town Meeting, for the purpose of our discussion tonight, I suggest that a controversial issue is one that makes a lot of people mad, but nevertheless must be decided by public action. Study of such issues is important because we want such issues decided right in our Republic.

It is our faith that by using majority decisions at the polls, in courts, and in legislative halls, we not only get peaceful decisions but in the long run, wise and good decisions, if there is an informed public opinion.

Citizens must know how to go about deciding such questions right. This process should be earned in the schools. Dr. Reavis has prepared a very helpful outline for such teaching. I think students should also learn about the short cuts, the methods that must be used when there is no time for full preparation and study such as Dr. Reavis outlines.

The average citizen cannot comletely analyze every public question that must be decided. For instance, the last Congress passed over 1,000 bills. The average citizen could not know all about these bills. Confidentially, there was just not enough time for every one of us Congressmen to be fully informed on each bill, and yet, when the roll call came, each of us had to vote—yes or no.

Citizens have similar decisions to make. The best methods to use in making quick decisions on public questions should also be a part of the teaching of controversial questions. This will involve judgment on men as well as measures.

We want ours to be a government of laws and not of men; yet men make the laws. We are not, never have been, and I hope, never will be, a pure democracy, in which the people make all the laws directly. Ours is a representative government and education on controversial questions must involve teaching how to choose representatives.

The technique of developing light without heat on hot questions is important. We Congressmen have a saying that we are like scissors, we cut what is between us—not each other. This is a lesson that students should learn in such courses.

Such teaching must involve another lesson in public controversy—abiding by the result of a decision you disapprove. This lesson is what makes our decisions peaceful in our Republic.

Teaching all of this is difficult,

but it must be done.

Someone is going to have to decide what issues may properly be studied and what issues omitted, either because they're too hot or too cold. This means censorship. I think the faculty of each institution should decide this, subject to the control of the Board. On censorship of such questions, the faculty should decide, subject to the ultimate control of the Board, and "academic freedom" must not be made the excuse for permitting the teaching of subject matter that is obscene, blasphemous, subversive, or silly.

This is complicated now by the fact that conspirators in the communist plot to overthrow our Government by force and violence have been found in our schools and colleges. They're skillful in using the shields of freedom of speech, freedom of assemblage, and academic freedom to protect them while they are at work undermining these very freedoms.

It is extremely difficult to secure evidence to separate the actual conspirators from their dupes and followers. All of them may be fanatically sincere; this makes them more, not less, dangerous.

Our national security is involved, yet I suggest it cannot be protected merely by having Congress pass a law. We should have a federal law similar to the Mundt-

Nixon bill punishing actual saversive conspiracy, but this aloowill not solve the problem.

The House Committee on U American Activities can perform great service by exposing to public view controversial teachers as teachings on this issue, but the Committee should continue have, as at present, no other power than to obtain and make public information. Its investigation with bring to light many situation which fall short of an illegal conspiracy, but nevertheless threat our fundamental freedoms.

Such a situation must be corected promptly and fearlessly the faculties of our schools at colleges, or if they fail, by to governing boards of these institutions. Local authorities should empowered to act; the feder Government should have no suppower.

It is part of our faith that or educational institutions hav enough wisdom, patriotism, an power to protect our teaching sy tem without interference or di tation from Washington.

Our schools and colleges can l trusted to teach controversial surjects; they should be encourage to do it. (Applause.)

Moderator Denny:

Thank you, Congressman Vory Our next speaker was one of the first schoolmen to use America Town Meeting as an aid to teach ing controversial issues. His activation interests in this field led him to be one of the organizers of the National Junior Town Meeting League, of which he is now president. He is also head of the Cincinnati Junior Town Meeting, our host this evening, and is, of course, Assistant Superintendent of Schools of the City of Cincinnati. I take great pleasure in welcoming to the Town Hall platform, Dr. George H. Reavis. (Applause.)

Dr. Reavis:

To teach controversial issues, Mr. Denny, three things are necessary: first competent teachers; then adequate teaching materials; and finally, a clearly defined policy established by the Board of Education. Competent teachers, teaching materials, and a policy.

Competent teachers know the facts of the issues. They see the issues in their historical perspective, and understand their implications for the future. They are fair-minded masters of discussion techniques, who maintain classrooms free from bias and prejudice. We need competent teachers.

No teacher, though, is competent who tries to mold his students nto little vest-pocket imitations of timself. No Communist making Communists out of his students is competent teacher; no New Dealer making New Dealers out of his students is a competent teacher; nd no rock-ribbed Republican making GOP adherents out of his tudents is a competent teacher.

None of these is to be tolerated, for to indoctrinate is not to teach.

Students do not get all their learning in school. Outside of school they acquire strong opinions, many of which are sheer, unexamined prejudice. The son of a labor leader picks up different prejudices from those of a banker's son, and no teacher may call one of them right and the other one wrong. The competent teacher challenges both views with relevant evidence so that both students may seek out the facts which alone the facts can justify.

Both students may change some of their views; either may finally disagree with his father. This we may expect, for we need citizens who make up their own minds in

the light of evidence.

By adequate teaching materials, I mean plenty of basic, supplementary, and current materials dealing with the vital issues of the day. The traditional textbook alone is inadequate. We need supplementary materials such as the news periodicals published especially for classroom use, and reference books, including a good, upto-date encyclopedia. These are essential, but they are not enough.

The partisan materials that circulate freely in the community should also be included. This may include the platforms of political parties, the speeches of rival candidates, the partisan press, the persuasive appeal of extreme radio commentators. It may include pub-

lications of the special interest groups, such as the N.A.M., C.I.O., and the American Legion.

But competent teachers and adequate teaching materials alone are not enough. We need also an established policy on controversial issues such as is adopted and enforced by the Cincinnati Board of Education. Our rule in Cincinnati reads as follow:

"Without minimizing the importance of that large part of the curriculum made up of established truths and values, but recognizing that gradual social change is inevitable and that such change involves controversial issues, it shall be the policy of the Cincinnati Public Schools to foster dispassionate, unprejudiced, and scientific study of controversial issues, in order that pupils may have an opportunity to study such issues in an atmosphere void of partisanship and bias. The teacher, as an impartial moderator, shall not attempt, either directly or indirectly, to limit or control the judgment of his pupils on controversial issues. The respect for facts and the impartial search for truth are inherent in the democratic way of life."

That is the rule—the official rule—of the Cincinnati Board of Education. Such a rule, such a policy guarantees students the right to learn in an unbiased atmosphere. It protects teachers from pressure groups and from individuals who want their own particular brand of Americanism taught. It protects the Superintendent of Schools from having to make innumerable decisions in the face of controversy.

If you doubt this policy is work-

ing, study the youth of Cincinati.

To teach controversial issue then, we need three things: conpetent teachers, adequate teachin materials, and a policy official adopted by the Board of Eduction. This puts the teaching controversial issues on a sound at intelligent basis. (Applause.)

Moderator Denny:

Thank you, Dr. Reavis. I es pect you're going to have to en ploy extra secretarial help to a swer all the requests you are going to get after this broadcast for il formation from other school sy tems throughout the country. Nov Mr. Darrell Lane, attorney Washington and vice chairman the National Americanism Con mission of the American Legion has some questions he'd like raise with a viewpoint in which we'd all be greatly interested. M Darrell Lane of Washington, D. Mr. Lane. (Applause.)

Mr. Lane:

Mr. Denny, the American L. gion having just been referred it as a special interest group, I wanto make it clear they have a special interest in the welfare of the United States in these days of so called peace, the same as they diwhen they were wearing the uniform.

They start with the premise that the children of today are the cit zens of tomorrow. Students of today will be tomorrow's leaders un

less we are willing to settle for mob rule. If self-government is to survive, the people must be well enough educated to govern themselves. Therefore, our schools play an uncommonly vital part in each American generation.

How to teach and how *not* to teach are important.

On the positive side, it must be admitted that no one can learn to think unless he is given something to think about. No would-be baseball player, for example, can acquire skill on the diamond by just sitting down and learning the rules of baseball. He must spend long hours in practice of the game.

Similarily, selecting facts relevant to controversial issues, distinguishing between facts and propaganda, weighing the facts as to their importance, selecting some facts and discarding others, analyzing the conditions which have led to the controversy, and the motives of those who engage in it, these are essential skills in the solving of problems which constitute an important objective of citizenship.

A well-defined policy on teaching controversial issues must be established. On the negative side, et me say immediately, that we eject any educational policy or redagogical technique that will in my way do harm to our country, give aid or comfort to its enemies, id and abet the subvertors, the onfusors, the disruptors, the fel-

low-travelers, the party-liners, and the traitors.

Regret it though we may—it is a cold, hard fact, that here in America, our right hand doesn't always know what our left hand is doing. A war of ideology is here, and our country and our system are entitled to honest and effective defense.

While no one can deny that the American way of life is dynamic rather than static, it must not be forgotten that too rapid and illogical change may deliver us unto our enemies.

The expression "intellectual freedom" becomes a dangerous and maddening mockery when it becomes a vehicle for the sly sowing of seeds of social unrest, use of force, disruption, and ultimate destruction. This is no idle generality. Such attempts have been and will be made, by devices, such as planting insertions in school textbooks, and by other devious means.

Our American system of free, though *compulsory* education, simply cannot withstand dishonest tampering with its machinery.

Next, we advocate, yes, we demand, an educational policy designed to defend and revere this way of life which, so far, is ours to enjoy.

The schools should seek to give to each succeeding generation a love of the American way of life, and work to inculcate the inspiration and the knowledge necessary for the practice of democracy. This involves not only a study of its benefits, but also of its duties and its obligations.

onduct their own schools of sabotage, perversion, subversion, confusion, and send their graduates into another man's country to work to such nefarious purpose, then surely the schools of America can so train our own strudents in the lessons, the strengths, and the what of our way of life, that they can meet these invaders head on!

It must also be said that the least our school authorities can do is to not employ, as teachers of our youth, enemies of our system. When a teacher in the public schools of a large and important city takes time out, for instance, to join a picket line in protest against the fact that our country is attempting to deport certain known and vicious enemy aliens, this teacher is hardly the perfect example of a guide to our youth, in the teaching of controversial issues in our schools.

Great care should be exercised in defining controversial issues. While no social procedure or method of personal conduct may be considered forever settled, centuries of human experience have demonstrated the wisdom of certain patterns of behavior, which it would be extremely dangerous suddenly to uproot.

Long-accepted patterns of behavior have come to be regarded as virtues. Honesty, integrity, respect for the property and persons of others are among the traits character and modes of conduwhich we do not care seriously question, though our current enmies frankly assail and seek quickly destroy even these!

The teaching of controversial sues demands careful cooperation between the home, the school, and the community. All have a vit stake in it. Teachers should protected in the honest exercise their functions and punished their violation. It's easy enoug to be honest!

Teaching materials may be use provided they are honestly pr sented. Their source, the reaso they were originally published, for example, must be made perfect clear.

Finally, so long as our danger ous enemies slant their point view, I should say that if there any slanting to be done, let us gif America a break and slant thin, our own way; otherwise, it would result in an unequal controvers (Applause.)

Moderator Denny:

Thank you, Mr. Darrell Lam Well, gentlemen, it seems to not that there's a large area of agreement among you, but there a certain differences that you'd propably like to bring out here arount the microphone, and I notice M Vorys was making some not there. I wonder, Congressman, you'd like to start this discussion period here?

Congressman Vorys: Mr. Denny, I tremble to come up, because I'm not a teacher, in the presence of these professors, but Dr. Reavis, for whom I have such great respect, described the kind of teacher that I think would not be any good-he wasn't anything. He was fearful that a teacher might indoctrinate his pupils.

I think that a teacher is probably going to unconsciously indoctrinate his pupils, and you've got to

make allowance for that.

I would rather have a known partisan with known blas teaching my son than a political or intellectual eunuch. For instance, I'm a Republican, but I would rather have my boy studying under Paul Douglas, a known Democrat, and probably a New Dealer-

Mr. Douglas: Very much so. (Laughter.)

Congressman Vorys:—and have my boy make allowances for it rather than have him studying under some person who had no

THE SPEAKERS' COLUMN

PAUL HOWARD DOUGLAS—A native of Salem, Massachusetts, Dr. Douglas has an A.B. degree from Bowdoin; an A.M. and a Ph.D. from Columbia; and has also studied at Harvard. Before going to the University of Chicago, he taught economics at the University of Illinois, Reed College, and the University of Washington. In 1920, he went to the University of Chicago as an associate professor of industrial relations; since 1925, he has been a full professor.

Dr. Douglas was a Guggenheim Fellow in 1931 and was also a member of the Illinois Housing Commission from 1931 to 1933. He served on the Consumers' Advisory Board of the NRA, was a member of the Advisory Committee to the United States Senate and Social Security Board of the federal social security system.

Dr. Douglas has been an alderman on the Chicago City Council. In 1942, he enlisted as a private in the Marine Corps and advanced to the rank of major, seeing service overseas for two years. He was wounded in the Battle of Okinawa, and won the Bronze Star for heroism in action.

The author of many books on various

The author of many books on various phases of economics, Dr. Douglas is at present the Democratic candidate for United States Senate from Illinois.

JOHN MARTIN VORYS—Born in Lancaster, Ohio, Mr. Vorys was graduated at Yale and then taught for a year at the College of Yale in China. He was given a J.D. degree by Ohio State University in 1923 and was admitted to the Ohio bar. Practicing law in Columbus, Ohio, he was a member of the firm of Vorys, Sater, Seymour & Pease from

1926 until 1938. A Republican, he was elected to the 76th United States Congress in 1939, he has served continuously since then. He is a member of the Foreign Affairs Committee in the House.

Mr. Vorys has been a member of the Ohio General Assembly and the Ohio Senate. During World War I, he served overseas as a pilot in the U.S. Naval Air Service. In 1942, he was a pilot in the Civil Air Patrol.

GEORGE HARVE REAVIS—Assistant Superintendent of Cincinnati Public Schools, perintendent of Cincinnati Public Schools, Dr. George Reavis is also president of the Junior Town Meeting League. With a Bachelor's degree from the University of Missouri and Master's and Doctor's degrees from Columbia, Dr. Reavis has served in the education field as school superintendent, high school inspector, supervisor of teacher training in Missouri; and as assistant state superintendent of schools in Maryland. He has also been dean of the School of Education and College of Arts and Sciences and director of the summer sessions at the University of Pittsburgh.

director of the summer sessions at the University of Pittsburgh.

From 1929 to 1935, Dr. Reavis was state supervisor of high schools in Ohio. From 1935 to 1938, he was director of instruction for the Ohio State Department of Education. Since 1938, he has been with the Cincinnati school system. From 1936 until 1947, Dr. Reavis, was chairman of the editorial advisory board of the World Book Encyclopedia, and still is a member of that board.

DARRELL LANE—An attorney, Mr. Lane is vice chairman of the National Americanism Commission of the American Legion.

known political or intellectual convictions at all. What do you fellows say? (Applause.)

Mr. Denny: Dr. Reavis, that seems to be pointed at you but we'll let the others comment on it also.

Dr. Reavis: Well, I think it's a distinction without a difference. I said to indoctrinate is not to teach. We would teach democracy by having pupils live it, practice it, understand it, appraise it and see how it works, and they would come to love it with an intellectual devotion, based on understanding, because any intellectual devotion or conviction, in the absence of understanding, is prejudice. We want a patriotism deeper than prejudice and something that's firmer than a teacher's opinion that's been indoctrinated into a pupil. (Applause.)

Mr. Denny: Thank you. Mr. Douglas, you were brought into this discussion. Do you think that teachers ought to let it be known where they stand politically when they are dealing with controversial issues and call the attention of the students to the fact that they ought to make due allowances for anybody who has that particular viewpoint already publicly announced?

Mr. Douglas: Well, Justice Holmes used to say that "no one should try to play God Almighty." None of us know what the complete answer is to the social problems of the times, and while we

have to form opinions, we shoul be properly humble about them. That means if one does hold distinct opinions, and I agree with Mr. Vorys that one tends to, never theless one should give those whold the opposite opinion a fast break—a fair break both in the material to be read and in the discussion to be given. Certainly you feel strongly about a subject you should warn your student how you feel so that they can possibly discount what you say. (Aft plause.)

Mr. Denny: All right, M. Vorys.

Congressman Vorys: I want to add this about the instance brought up concerning partici pation of teachers in public con troversial life. It seems to me tha those teachers should have tha right and, in my little experience such participation gives a certain humility which some of the "ivor tower boys" don't have, and some teachers that I bumped into are in tellectual fascists. They seem to think they are the elite-they're too good to participate in publi affairs, whereas if they would ge in and rough it up a bit, I think they'd be more humble, and I'd take my chance on how their stu dents would come out. (Applause.

Mr. Denny: Mr. Lane, w haven't heard from you.

Mr. Lone: Well, Mr. Denny, have no particular wisdom on the subject that's just now been discussed, but I did hear dear of Justice Holmes quoted about clear

and present danger.

I believe Paul Douglas said the danger was clear, which may surprise some people. It's been clear to me for a long time. He doubted that it was yet present.

I only want to say that when smart alecks from Hollywood will stand up and sass Congress and won't be counted; when a foreign traitor or spy, or worse, will stand before Congress and say he has Constitutional rights and won't answer questions, I only say back, the danger is present. Whose constitutional rights? His? How about those of the rest of us? (Applause.)

Mr. Denny: Thank you. All right. Now we have an usually large audience here tonight, and while we get ready for our question period, I'm sure you, our listeners, will be interested in the following message.

Announcer: You are listening to America's Town Meeting of the Air, originating in Cincinnati, Ohio, where we are the guests of the Cincinnati Junior Town Meeting. We're discussing the question, 'How Should Schools and Colleges Teach Controversial Issues?" You have just heard from Dr. George Reavis, Darrell Lane, Paul H. Douglas, and Congressman John M. Vorys. We're about to take questions from our audience.

In the meantime, let me remind you that for your convenience, we print each week a complete text, including the questions and answers, in the Town Meeting Bulletin, which you may secure by writing to Town Hall, New York 18, New York, enclosing 10 cents to cover the cost of printing and mailing. Allow at least two weeks for delivery.

If you would like to subscribe to the Bulletin for six months, enclose \$2.35; or for a year, send \$4.50; or if you would like a trial subscription, enclose one dollar for eleven issues.

While you are writing in, perhaps you would like a free copy of the latest publication of the Junior Town Meeting League called Teaching Controversial Issues. It is a thoroughly nonpartisan handbook prepared by the League during the past summer, under the auspices of a special committee of the League, and includes the results and experiences of those who have been doing this work effectively during the past years. If you would like to receive a copy without cost send your request for Teaching Controversial Issues, a publication of the Junior Town Meeting League, to Town Hall, New York 18, New York.

Now for our question period, we return you to Mr. Denny.

QUESTIONS, PLEASE!

Mr. Denny: We have a fine representative audience here in Music Hall in Cincinnati, including teachers, students, parents, and a representative public. Our assistants are in the aisles with the portable microphones, and those who are ready to ask questions have number cards indicating the name of the person to whom their question is directed. I see a question down there on the fifth row for Mr. Vorys.

Lady: Should some of the more violently controversial issues be taught by the regular staff of the high school or by peripatetic instructors?

Congressman Vorys: Well, I don't know just what kind of a subject you mean. I think peripatetic instructors might know more about it, but my guess would be that on the basis of this possible bias of the teachers, that the regular staff could teach these subjects more effectively because the children could make proper allowance for their own viewpoint. I think it would be a good thing for the teachers and the students and the parents in that community if the regular staff did it. There could be special subjects where you'd have a traveling crew handle them.

Mr. Denny: I'm glad you straightened out that "peripatetic" ten-dollar word, meaning roving teachers. I guess that's what you meant. Let's make these questions

a little simpler, please. All right now the gentleman down there.

Man: My question is addressed to Dr. Reavis. How can teacher prevent discussion of controversia issues from degenerating into shee emotional outbursts?

Dr. Reavis: Well, the first thing we should clearly define the issue and then assemble the facts because every current issue worth studying has its roots deep in the past and casts a shadow in the future. It came from somewhere and it's going somewhere. We should study it in its historical perspective as scholarly as we studied physic or chemistry or Latin, and if you do that, you won't be bothere with flights of emotional fantasy

Mr. Denny: Thank you. Per haps Mr. Douglas would like to add a word or two to that answer of Dr. Reavis. I have an idea speaking of history, that in light of our discussion this morning, Mr. Douglas, you could suggest the earlier discussions of democracy by Plato and Aristotle. It might take some of these hotheads—cool then off a bit by making them realize how old their arguments are.

Mr. Douglas: Well, someone once said that we needed to have the same sense of time as an astron omer and the same patience as a geologist. It seems to me that we can use both history and the great writers of the past to throw a loof light on current issues. Fo

example, many of the conflicts in American life are well expressed in the differing philosophies of Hamilton and Jefferson. The Vorys party swears by Hamilton, and our party, of course, swears by Jefferson, and if you really understand what Hamilton and Jefferson were contending for, they are extremely current people, and similarily—oh, should I stop?

Mr. Demay: I just notice that Mr. Vorys is about to jump on you there. Mr. Vorys looks very miserable. I thought maybe he wanted to comment.

Congressman Vorys: No, I wanted to get in on this matter of teaching these subjects without heat. I think it's extremely important. My suggestion would be to remind the young people that they ought to handle it the way they do athletic matters and school discipline that they discuss and accept final verdicts without heat. Lawyers and Congressmen and Senators and people in public life do discuss these questions and decide on them and don't get mad at each other. That's what they've got to learn to do. This Jefferson-Hamilton thing is going fine. I didn't mean to interrupt.

Mr. Douglas: All right. Well, similarly I would say that the discussions concerning the relative roles of collectivism and individualism have probably never been discussed better than in Palto's Republic and in Aristotle's Politics. The reading and critical

examination of these books will throw a lot of light on current issues and give one, I think, a greater sense of tolerance. In other words, we do not have to consider merely spot news. We can take a deep historical view both in terms of history and in terms of the great thinkers of the world.

Mr. Denny: Thank you. Dr. Reavis, wasn't it you who pointed out this morning that an example of people who didn't accept the democratic way of dealing with controversial issues was well personified in the shooting of Count Bernadotte by the Sternist Gang who set themselves up as superior to the methods of resolving problems through discussion and agreement resulting from discussion. That also bears on your point, Mr. Vorys. Now a question for Mr. Lane back there.

Man: This is Walter Millard of Forestville, Cincinnati, specialist in mass education, in civics, and good government at the local level. (Applause.)

Mr. Denny: Welcome, Walter, we're glad to see you.

Mr. Millard: Thank you. Since chronic, emotional instability distorts value judgments, and since this can now be easily tested objectively and then ended, should teachers of controversial subjects take such tests?

Mr. Lane: Well, it wouldn't be a bad idea. You know, Nero probably was a great fiddler, but he wasn't much of a politician, according to history, and Einstein might be a great mathematician, but I don't want any atomic bombs to light on my country while he's working out a mathematical formula.

Mr. Denny: Thank you. Now, the lady in the center of the house.

Lady: If college faculties are to act as censorship boards, where are they to learn what constitutes controversial issues if they haven't studied them? Mr. Vorys.

Mr. Vorys: Well, I think they'd better study them, and, as I say, I think college faculties oughtn't to live in an ivory tower. They ought to know something about the cruel facts of life themselves, and if they don't, perhaps the trustees or Board of Education should get people in to handle controversial current events who do know something about them.

Mr. Denny: Thank you. Now the gentleman over here on the left.

Man: My question is directed to Mr. Douglas, and it is this: Is good judgment, such as choosing which of two sides of a controversial question is right, something which can be taught in our schools?

Mr. Douglas: No, probably not, because the people who are taught in the schools have such differing judgments upon the same facts, but I hold to this belief: that if people of goodwill will study a subject, in the long run, the de-

cisions which will be made will infinitely better than if they not, and that the surface differences which seem to divide peopat a moment are far less importation the fundamental uniti which in the long run assert the selves.

Mr. Denny: Thank you. The gentleman there in the back with the receding forehead, who has question for Dr. Reavis. Ye that's right, you're the one I mean

Man: My question is for D Reavis. The sociologists say the the average person wants to have his beliefs galvanized. How ca we compete with that in the schools, Dr. Reavis?

Dr. Reavis: I understand from that, that you mean that, as or grows older, he wants to shiel his opinions and protect them. believe that it's true that through out the world revolutions have been primarily youth movement The youth wants to get at the facts. The adult, the older person wants to take the thing on faith So in youth, we must develop th thought of concepts, the sort of convictions, the sort of understand ings that when a man gets olde and persists on holding them an having them galvanized, societ will be better off because the idea he's holding are those that ar best for the common good. So think we can't combat galvanizin his ideas, but let's make them goo before they're galvanized. (A) plause.)

Mr. Denny: All right. Thank ou. Now the young man way wer here on the right.

Man: Well, my question is adressed to Mr. Lane. Is it demoratic or fair to exclude teachers rom political activity because of heir positions?

Mr. Lane: Well, if you refer to the teacher who went parading in tront of a public building in project to our country when it was trying to deport some known alien nemies, I don't call that a political activity.

I believe teachers should have the light to be active in politics, but hey should be just as willing to play politics on political time and each on teaching time as the rest of us. I can't argue politics when argue a case in court, and a teacher shouldn't have any more right than that, in my view.

Mr. Denny: Thank you. Mr. Worys has a comment.

Congressman Vorys: I'd like to somment on that very hot subject. have said that I believe that teachers should take part in politics. If, however, I were a member of a school board and a teacher's participation in politics consisted of oining and becoming active in the Communist Party or some of its iellow-traveling organizations, I would vote to fire that teacher. Applause.)

Mr. Denny: Thank you. Mr. Reavis has a comment.

Dr. Reavis: If a teacher insists on participating in political com-

paigns, he ought to be transferred to teach physics or chemistry or mathematics, where his conduct has no relation to what he's teaching in the classroom, or not so direct a relation. He shouldn't teach government, economics, or politics, because a teacher should maintain a sufficiently impartial, scientific attitude towards his classes that he has an unbiased atmosphere, an unprejudiced atmosphere. child has a right to have that, and if a teacher can't maintain that, he ought to shift over to a subject that he can teach and also be a political propagandist. (Applause.)

Mr. Denny: I think we ought to hear from Mr. Douglas on that, because he's a teacher of economics, and he's active in politics. Now,

come along.

Mr. Douglas: Well, as I say, it's a very real problem to deal with, but there is a moral obligation upon any teacher who does take part in politics on subjects which he teaches to try not to let his political beliefs sway his teaching.

It so happens, when I became a candidate for the United States Senate, in Illinois, I took a ninemonths' leave of absence. On the other hand, when I was Alderman in the City of Chicago, I carried on the work as an alderman at the same time that I taught. I taught from the hour of eight in the morning to one in the afternoon, and I think I did my duty. Then I was an alderman from one until midnight and spent more money

being an alderman than I got in the form of a salary, so I did not profit financially from being an alderman.

Mr. Denny: Thank you, Mr. Douglas, now Mr. Reavis has another comment.

Dr. Reavis: That Paul Douglas, a professor at the University of Chicago, does maintain an unprejudiced and unbiased attitude in the classroom is certainly true, because I know that most of the leading Republican scholars of Illinois got their economics under him. (Laughter.)

Mr. Denny: Now, here's a question directed to you, Paul.

Man: I should like to address this question to Professor Douglas. What about the controversy of teaching subjects that are not controversial, such as sex facts?

Mr. Denny: Well, that's the subject of another Town Meeting. I think we ought to take the question from the gentleman right back of you.

Man: I'd like to address my question to Congressman Vorys. Don't you think that understanding basic emotions would eliminate such problems?

Congressman Verys: How's that?

Man: Don't you think that true understanding of basic emotions would eliminate such problems?

Congressman Vorys: Well, I guess so. (Laughter.) Yes, I guess so. (Applause.)

Mr. Denny: All right, here's an-

other one for you, Congressman

Man: My question is address to Congressman Vorys. How we encourage free discussion controversial issues and still subject to control by institution boards of governors as you segested?

Congressman Vorys: Why, have the controversial issues, have the subject matter, you ha the policy that Dr. Reavis has I out, and there's a whole syst for discussing it. If the profes goes off the beam, why he's pro erly disciplined. I don't thi that, in the name of academic from dom or student's freedom, this should be complete license for s dents or the teachers themself to say or do anything they ple in the classroom. I think the should be a policy such as I Reavis has outlined in his sta

Mr. Denny: Thank you. Vequickly now, a question for I Reavis.

Man: Dr. Reavis, would you vor using Town Meeting method in teaching subjects of controv sial content, and without coersior stigma attaching to individua

Dr. Reavis: I certainly would

Mr. Denny: Thank you, I Reavis. Now, while our speak prepare their summaries of night's question, here's a spec message of interest to you.

Announcer: Tonight, we're ve glad to announce that again to year, in cooperation with the Am an Education Press, publishers the high-school news magazine, ur Times, we will conduct our istomary Junior Town Meeting, which four high-school students ill participate. They will be sected on the basis of speeches of ot more than 750 words on a topic be announced later. These paers must be submitted through a hool teacher or principal, and its contest is open only to regular udents of recognized high schools troughout the United States and anada.

In the meantime, we will be glad have your suggestions about the ibjects for this program, so listen egularly to Town Meeting and and your suggestions to the Ameran Education Press, 400 South ront Street, Columbus, Ohio. The sact date and place of this Junior own Meeting will be announced iter. For more complete details nd suggestions about how you can articipate in this program, write the American Education Press, 00 South Front Street, Columbus, Ohio.

Now, for the summaries of toight's discussion, here is Mr. Jenny.

Mr. Denny: Now our first sumnary from Mr. Darrell Lane.

Mr. Lane: Let's never forget that n the schools beyond the Iron lurtain there are no controversial ssues. Thus, we here have an dvantage if we use it, but we aust use it right, to the benefit of ur country. The taxpayers here have something to say about how their money is spent. They will not favor any loose or slovenly system that uses tax money to pay the salaries of educators or school administrators who are committed to the downfall of our way of life.

Mr. Denny: Thank you. And now, Dr. Reavis.

Dr. Reavis: Mr. Denny, the agreement tonight among these speakers is most encouraging. When men like Paul Douglas, a Congressman as good as John M. Vorys, and a man like Darrell Lane agree that the schools shall teach controversial issues, that they may use any materials, even when partisan, within certain limits, and insist that we do it with an established policy, when you get this sort of agreement on that sort of a problem in citizenship education, I think we're making progress.

Mr. Denny: Thank you, Dr. Reavis. Now, a final word from John Vorys.

Congressman Vorys: I think all of us—teachers, board members, and parents—should remember we're not just teaching controversy, we're trying to have young people learn how to decide questions right. They must learn the impartial, scientific approach to avoid prejudice and bigotry, but we must beware of a tolerance that fails to protect fundamentals. We are responsible for teaching young people the faith that's in us—faith in a moral law, and a Repub-

lic with liberty and justice for all.

Mr. Denny: Thank you, Con-

gressman Vorys. Now Paul Doug-

las.

Mr. Douglas I believe the general presumption should be in favor of giving consideration to controversial issues in high schools and colleges provided the subjects are fairly presented and do not appreciably endanger the safety of society.

Mr. Denny: Thank you, Mr. Douglas, Mr. Lane, Congressman Vorys, and Dr. Reavis. We may not have settled this question for you tonight, my friends, but as I pointed out in the beginning, this is an extremely important question and one on which we've received very valuable advice tonight.

Our thanks go also to the Junior Town Meeting League of Cincinnati, Dr. Reavis and Station WSAI for their splendid cooperation.

Now, next week your Town Meeting returns to Town Hall in New York City. The topic will be one of the campaign issues: "Should the Taft-Hartley Law be Repealed?" Senator Joseph H. Ball, Republican of Minnesota, and Mr. J. Mack Swigert of Cincinnati say yes. Secretary of Labor Maurice J. Tobin and Senator Joseph

C. O'Mahoney, Democrat of oming, say no.

Many of you have been ask when will Town Meeting be to vised. Well, here is your answ Beginning Tuesday, October Town Meeting will be televoregularly and almost continuous for the next six months, for Town Hall in New York, sint taneously with the production the radio program. In New York will be carried by WJZ-TV Philadelphia by WFIL-TV and Washington by WMAL-TV, other stations as soon as they come available to the network.

The program on October 5 be on the No. 1 topic before today: "How Is Peace Posswith Russia?" The speakers be the Honorable Robert E Lane, former ambassador to land; Norman Thomas, Social candidate for President; Max Iner, editor of the New York S and O. John Rogge, attorney chairman of the New York S Wallace-for-President commits that all viewpoints will be thoughly represented.

So, plan to be with us next T day and every Tuesday, at sound of the Crier's Bell. (plause.)

22

pathologic studies. expected epidermoid carcinoma on routine histoother patients the resected specimens revealed unelectrothemic resection of the stricture. In 2 temporary colostomies in 3 patients following date have been satisfactory. We have closed

antibiotics (398). body, responds promptly to the broad-spectrum ing lesion of the perianus, as elsewhere in the Granuloma inguinale. This distressing ulcerat-

process (351). varying degrees closely resembling a neoplastic break the mucosal barrier, causing ulceration of gumma usually forms in the submucosa and may Syphilis occurs rarely in the large bowel. A

VOLVULUS

reported in children (129). usually it occurs in elderly persons but has been ment of the colon including the cecum (95); structions (165). Volvulus may occur in any segsions and about 2 per cent of all intestinal obapproximately 20 per cent of all intestinal torof the sigmoid as a sole cause is responsible for monly encountered in Europe and Asia. Volvulus (63), is relatively uncommon; it is, however, com-In the United States volvulus, while important

The predisposing factors include clongation or 4 cases, but failure to operate resulted in I death. volvulus. Surgical intervention was successful in pure plumbism but increases the symptoms of administration of calcium which relieves pain of The diagnosis was facilitated by the intravenous volved the sigmoid colon and I the small bowel). with narrow and pediclelike mesosigmoids (4 in-5 Peruvians who had sigmoids 3 feet long but resulting from plumbism have been observed in predisposing factor (33). Torsions apparently especially in a patient with a long sigmoid or other Lead poisoning may cause intestinal volvulus,

gical and postmortem specimens; the sigmoid benormal ganglia of the myenteric plexus in the surruled out as a cause of volvulus by the finding of and megasigmoid (165, 131). The last has been hard bolus approximating fecal impaction (283), enlarged colon (129), constipation with a fecal absence of the mesentery with a modile gut (131),

> spontaneously or ive (315), nor do al, may be danresent consensus,

> biomrabida to a stulas. Furtherleeding, purulent se ((215, 901) be brocess may be ective procedure.

ry to bridge the sufficient, a loop ni , However, in n to the intact excised and the he ileum. The an ingenious anal. Eisenman nsverse colon to ett colon, neceser, they dispose ation of abdomithey re-establish anal and rectum the text), while siyi no sinəmme they perform a of disease in the ag type of transattery (52) first aving operation mutoor the rectum bowel by means s the excision of

contraindication t pelvic inflamver, all of these een suitable for om anorectal inith high tubular ast 5 years, we

less and may be

Perforating inju by the introductic produced by sudd fossa, (4) the refand region, (2) the a: anatomic sites of shrapnel, and bull ous metal objects pieces of wood and traumatic agents terminal portion c direct types of vio Siler and Bebb

tients with 3 deat Exteriorization w tion is impossible contraindicated a segment of the (proach for the tr per cent. These employed in 10 I Primary suture w were not observ peritonitis, absce Necrosis, leakage only I instance di alone in 22 cases Woodhall and Oc or without debr can be effectively gut without invol queed by a sharp caused by a pisto. colonic wounds segments of the restricted to sever inow to noitsziroi Woodhall and Oc readily to coloni lar during World wound. The latte wounds are trea struction of a pi quently accorded tice small antimes

> tion (165). was found in the presence of complete obstruccent of infarction of the sigmoid and its mesentery loop obstruction (131). An incidence of 66 per with irreversible and unviable complete closed and grade 4, a volvulus of more than 180 degrees plete, but viable closed loop type of obstruction, than 180 degrees resulting in an irreversible, comthrough an endoscope; grade 3, a volvulus of more decompressed with the aid of a rectal rubber tube that either untwists spontaneously or may be

> arch which has been produced by the distended form diameter of both segments of the intestinal sign has been described (32) which shows a unideformity has been described. Recently, a new sive. A "bird's bill" or "ace of spades" type of Roentgenologic signs are frequently inconclu-

> sigmoid colon.

desirable procedure (63, 165, 276). mediate end-to-end open anastomosis is the most section of the volvulus below the twist and imfavorable circumstances and in interval cases, remal colostomy) may be necessary (131). Under sion of the distal loop and construction of a proxiin this case a Hartmann type of resection (inverdistal or efferent loop is too deep in the pelvis (50); may not be possible if the point of torsion of the operation is desirable (50, 276), but this procedure presence of gangrene an exteriorization type of vascular irreversible damage (infarction). In the election but of desperation" (165) because of quently necessitate subsequent resection "not of otherwise poor-risk patients. Recurrences freintestinal resection or in the case of debilitated or procedure to tide the patient over for a delayed of the volvulus, but it is acceptable as a temporary tive because of the high incidence of recurrence already indicated, done endoscopically is ineffecsion alone, either performed at laparotomy or, as mesentery-shortening operations (129). Detor-Fixation procedures are unsatisfactory as are decompression of any type is contraindicated. tive and illogical procedure (63); in fact, proximal For sigmoidal volvulus, cecostomy is an ineffec-

presence of gangrene demands resection (65). For are indicated in the absence of gangrene, while the For cecal volvulus simple detorsion and fixation

patients who are extremely poor operative risks. toration is not recognized within 24 hours or for therapy is advocated for patients in whom perpatient has recovered from shock. Conservative omy which should be performed as soon as the and can be easily found and sutured at laparotpect of the colon above the peritoneal reflection The tear usually occurs on the antemesenteric asas uncommon as we would like to believe" (256). Perforation by coasulation. This injury is "not

(ISI)may be caused by enema tips used for irrigation barium enema. Perforation of colostomy loops ported a case of perforation following a diagnostic without the use of much force. Berk (34) remal colon in a conscious person can be pertorated particularly vulnerable to tears although a norbe kept in mind that the colons of older people are prompt surgical intervention (146, 380). It should the proctoscope, but the accepted treatment is curs in about the same area as that produced by Perforation by enema. The rent in the bowel oc-

Perforation caused by coagulation. Myers and

guration." domen for other reasons subsequent to the fulevidence obtained "upon exploration of the abunrecognized" and they base this statement on "that many minor perforations occur that are eradication of polypoid growths. They are certain duced by surgical diathermy employed for the tions in the upper rectum and lower sigmoid pro-Bernstein (256) again called attention to perfora-

bowel is unnecessary (317). The foreign body closure; resection of the involved segment of the it should be removed promptly by incision and eign body becomes arrested in the intestinal tract very often, in the anal crypts (317). If the forthe rectum just above or at the pectinate line, or, ring, the ileocecal valve, at the colonic flexures, in are swallowed may become arrested at the pyloric tion has already occurred. Foreign bodies that are large, tragile, and breakable, or if a perforagiven a chance to pass spontaneously unless they do not require emergency care; they should be (227), and a variety of other agents (199). These the anus include bottles (270), thermometers Foreign bodies introduced into the rectum via

> ant at the primary Deedure. Pation of bowel or stic repair of the of the transverse lostomy far away Hiect in the rectum; colostomy is suffias with the closure Best the coccyx has H suq colostomy. grige wound (small the coccyx, comor a curved transvalid for civilian drainage by either garinb beheildstega Laufman's (204a) peritoneal leaves. Mnt; this procedure aly overlooked with otherwise small let of every antegen nutailing policy wthat are lethal in atterious injuries to estrons colonic inpluoded. It should thresection with imsuith ileotransverse

diagnosis.

s diagnostic propduced by its use fence of a rectal le of the endoscope

Mod natter how

ice closure of rectal

Arch are not easy to

just the subsequent

sally required. Proscopic examinaaces as well as the wal canal may in-Incter muscle may finty or complete afforded to compare semiclosed and closed and closed and closed me essentially the san the semiclosed and compare the semiclosed and the san t

One of us (Sur) techniques of the cand discussed the closed procedures, closed procedures, World Luring World

me of us ono plugs are ever use; neous (pectinate) are approximated. The mucosal woul order to avoid its ponent of the exf masses with separ, utilized tor mob scrupulously avoi rectum, Anal d relaxation and ext, ovat ere favo or jackknife positi; tails." Spinal ane, the manner of exe brocedure employ

Fournier's oblited and in serious is used in serious sind in serious in serious in serious membrand in serious membrand in serious membrand in serious and More in serious and in ser

logic tissue becom hieved to lessen the teo little tissue. Ve continence, stenos layed healing, and more, the amount of the use of the ring little the use of the ring little in the use of the ring little in the use of the ring little in Surgical treatment. Myers and Summers (257) described a "mucosa and skin-saving technique

with the injectional and surgical therapies. one should treat hemorrhoids unless he is familiar peutic regime. It is generally conceded that no should be apprised of the limitation of this theraand that patients subjected to sclerosing therapy hemorrhoidectomy is the procedure par excellence Moran (16) believe that for permanency of cure, treatment. On the other hand, Bacon and cure comparable to that obtained after surgical bring about not only symptomatic reliet but also a Terrell believes that this form of therapy may is present it should be spontaneously reducible. and, preferably, nonprolapsing. If mild prolapse These lesions should be small to medium in size ment of uncomplicated internal hemorrhoids. uing to champion sclerosing therapy for the treat-Injectional treatment. Terrell (340) is contin-(188

Occupational strain such as lifting and increased muscular strain such as lifting and increased intra-abdominal pressure is a predisposing factor to hemorrhoid formation. He reported the histories of 3 workers who developed anorectal symptoms after heavy lifting or pulling and who had been granted compensation as the Workmen's Compensation Act pays for aggravation as well as for direct cause. (Also see Am. J. Surg, 1952, 84:

discussed shortly.

Fournier (118) listed six known anatomic factors that might be related to the pathogenesis of hemorrhoids, and stressed particularly (1) the lack of fascial support of the hemorrhoidal veins, and (2) the looseness of the submucous connective tissue of the anorectal region. Based on these anatomic concepts he advised an "obliterative suture", technique of hemorrhoidectomy to be

initial pathologic change is a weakening or collapse of the supportive structures rather than a widening and thinning out of the hemorrhoidal vein resulting in herniation of these vessels; this work needs confirmation particularly since photomicrographs have not been included in their article. (Also see Klemperer's remarks on collagen article. (Also see Klemperer's remarks on collagen disease noted under ulcerative colitis. These apply particularly to hemorrhoids).

(Anesthesiology, 1952, 13: 370). -nu lenosiay) with the alleged value of d-tubocurarine chloride wiser procedure. We have also been unimpressed tions; posterior sphincterotomy is certainly a potentially dangerous (224, 351) anesthetic soluemployment of these often disappointing and hemorrhoidectomy there should be no need for the emphatically that after a properly performed tion for this purpose. It may be stated most new long-lasting, water-soluble anesthetic solupresent writing the profession is flooded with a spasm and resulting pain. At the time of the muscle at the time of operation to eliminate thetic directly into the external anal sphincter (49) inject a sparsely absorbable, oil-soluble anesper cent ethyl alcohol. Bloomenthal and Bendix the subcutaneous and submucosal injection of 95 anus, the performance of a sphincterotomy, and advised the use of generous incisions in the peri-

Prolapsed hemorrhoid. For the relief of pain published data).

surgery is preferred to this form of therapy. ployed by Schaft and Spendlove (314). Prompt quochloride injected intravenously has been emcaused by prolapsing hemorrhoids, procaine by-

stenosis has been described and illustrated (355). cedure for the correction of postoperative anal been discussed (272, 326). A plastic surgical protinence (see elsewhere in text), and stenosis have layed healing of wound, abscess formation, inconurme, hemorrhage, adenomatous anal tags, dehemorrhoidectomy is most common, retention of of complications of proctologic surgery, of which With regard to the prophylaxis and treatment

PROLAPSE

-ad taistad wem doutibgos adt athaited allhayill ni that in at least 10 per cent of the cases of prolapse of the rectum. Jackman and Cannon (178) stated transversalis fascia and the suspensory ligaments prought about by stretching and atrophy of the Kipstein (299) has stated that this detect is apex of the prolapse is the cul-de-sac of Douglas. of the anterior wall of the rectum and that the layers of the bowel (procidentia) is a sliding hernia (222a) that massive rectal prolapse involving all Practically all authors agree with Moschcowitz

> On the soldier was .lls as aniderom

was required for emorrhoidectomy s than 3 weeks.

was quite stormy of hemorrhoidecnportance. ee whenever the -rome type of hemoreeks. In spite of tols; the wounds of development of n uncomplicated ter rate of healing d postoperatively isappeared spon-grugs drugs The wounds which it varying degrees tent of the cases rmore, the post-

"it dilatation. to relative anal spunom and to n 🕴 sncp as mduras is offset by the ande ur babuamu Jectomy is appar-To days.

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"leveloped indurae open operation.

tol of postopera-

times more mor-

Libris avoid bridgeore healing of the hs. These are re-(189, 224) when hile most others tions are omitted

fistulas) may poset pair, while anore! anal fistulas lend i formed structures? sues, including the fibrous wall as we tit and to sasoquib ogy of cancer). C years after the op: site for the devel an incomplete ope favor upon fistuld! Hippocrates) (369: fistulectomy (a if operators prefer u chronicity of the li treatment of fish discussion of an are the sources or glands, anal glan spaceas. In all c a chronic abscess? Pyogenic. Ana)

an appropriate ple plete excision of th ence. If incontin intervention is a: rence of tracts wi ago. Wagner bel promulgated by J. out without fear vided to permit h. the first operation number of tracts' Wagner (369) r

Propagation Wingly

when the deep d

tudinal muscle of

muscular septum sphincter muscle

neous or superficit

cles; most of ther

as they seldom p

require complete' where in the text?

sphincter muscle

mediate results. resection of the bowel three times with good imeffected. We have employed this operation minus is resected and an open end-to-end anastomosis is With the rectum held taut, the redundant bowel damage to the superior hemorrhoidal vessels. an abdominoperineal resection without division or is mobilized from the hollow of the sacrum as in ally as in an "anterior resection," and the rectum the base of the bladder, the flaps are freed laterbowel is incised on either side and anteriorly near toneum. In short, the pelvic peritoneum of the tomosis as well as restoration of the pelvic perilapsed bowel with an immediate end-to-end anas-Stabins performs a one-stage resection of the proorgans to an immovable support—Hirschman), objectionable (it is a poor policy to fix movable

ment being wider), it was necessary to employ a of the resected bowel (the caliber of the rectal segtia in which, because of the disparity in the lumen cently successfully performed for a huge prociden-An anterior resection type of operation was re-

Hoffmeister type of anastomosis (347).

of the combined abdominoperineal technique dein a vertical position. A report of the late results be straightened in prolapse so that the bowel runs posterior curve of the rectum which is believed to port to the bowel and to restore the normal cedure is said to provide adequate anterior supexcess peritoneum in the cul-de-sac. This prograft of fascia lata after division and excision of tion of a new pelvic floor by the employment of a Ripstein's (299) technique calls for the forma-

modification of the de Lorme technique (351). sion of incontinence) or by the employment of our Thiersch operation (see comments on the discusthe employment of a simple anoplasty or the lapsed bowel. This feature can be overcome by been stretched to various degrees by the prostore the atomic sphincter muscles which have The foregoing operations fail, however, to re-

scribed by Dunphy (100) may be expected in the

near future.

stluggr of L gentlide c bas stlube c at noitered ly one of us (R. T.) has successfully employed this for the treatment of prolapse in children. Recent-Tordoir (346) employed the Thiersch operation

prevents approximation, abets separation of the severed ends, and results in ineffective healing of the sphincter muscles which in turn will promote incontinence.

sults were satisfactory. in the healing of the wound although his final reage time, but Gerendasy (130) noted retardation Wagner (369) observed effective healing in aver-However, he employs a semiclosed procedure. antibiotics (see chapter on antibiotic therapy). for the tuberculous anal fistula supplemented by Knapp (201) advocated curative surgical therapy body, namely, the lungs, urnary tract, and bones. secondary to tuberculosis in other parts of the is about 1 per cent; perianal tuberculosis is usually cidence of primary tuberculosis in the anorectum fistula with possible spread to the lungs. The inported 2 cases of primary tuberculous anorectal Jackman and Smith (183) re-Tuberculous. incontinence.

Hidradenitis suppurativa about the perianal region is frequently confused with anal fistulas (75, 182). Incidentally, some of these cases responded to broad-spectrum antibiotic therapy (399), while other cases constituted a surgical

problem (149). INCONTINENCE

buttons. They are drawn up and tightened suffisutures are secured to the surface of the skin with the apposed being held in the direct line. The ence of the sphincter muscle, the muscle ends to direction of the pull is tangential to the circumferwire so that when the sutures are tightened the laid with each passing through a loop of a pull-out firmly steel alloy sutures. The steel sutures are left at the muscle ends to receive and to hold sue is removed en bloc but enough scar tissue is the dissection is less extensive; excessive scar tistion of continence. In Birnbaum's (39) procedure anal sphincter muscle for the successful restorarepair of the severed but well dissected ends of the utilized the Bunnell type of tendon suture in the described. One of us (362) has, for the first time, cently, a number of plastic procedures have been tormance of an incompetent fistulectomy. Resnorectum; it occurs most often following the perprocedures or operations performed upon the As a rule, incontinence follows either obstetric

tractes are excised The channels or usede are threaded by. At the subsection of the sphincter musplan prevents the plan prevents. It incontinence. It is incontinence. It is the plan prevents have a plan prevents have a prevent plan prevents pla

fing after the perting after the pers believes that dit in the course of mation of an analpisiotomy wound. Life that a suture the repair of the lila formation. The uccorded the usual

ttention to the ocfular stricture replete internal anal

and we have abanprimary closure is ith primary suture. Ents who had previserved a recurrence Fig. pe' in a study lion, Furthermore, rmit an adequate gred up for a long ph brimary closure ware of reports of good. With Wages, the results, certo spard and ar ter ques are described. techniques. Spor-

otomy. The latter fused with pecter and hence an uncondition of permanen classic and modification of permanen fuses from the convalescence and fuses from the definitely proposed from the fuse of the

multiplicity of the

29 to 38 per cent 54 per cent, while i cent of the cases, t Complete relief was employed for the chloride administe of the fatty acid o and that this defici of normally present patients is the resu fatty acids; it is con similar application minic drug (360). 1 spond to the topic recalcitrant to esta (367). Some patie tive in the presenc plexes. This form 🖟 lauryl sulfate which administration of s (307); in some cash zymes with the ste severe itching (2) Comedos in the suggests that none

suture of the bare ends of the sphincter muscle but without colostomy. Ingelman-Sundberg (176) described a plastic procedure utilizing the pubococcygeal muscle.

Gabriel (121) has recently resurrected the simple Thiersch operation for anal incontinence which, although never published, was practiced as early as in 1889 (96). Dodd has described well suid illustrated an aseptic method of the Thiersch procedure (96). One of us (R. T.) has prepared a motion picture of the Dodd modification of the Thiersch operation.

STENOSIS OR SPASM (PECTINOSIS?)

outcome of an anxiety-determined hypertonus of In still other persons this syndrome may be the ent of the external anal sphincter are responsible. fibrosis, which involve the subcutaneous componthe anal glands, ducts, and crypts with resultant other individuals, inflammation and infection of the pectinate line (see discussion on anatomy). In submucosae ani which is situated in the region of ternal anal sphincter muscle or the muscularis of either the subcutaneous component of the exmuscle is, in some cases, produced by dysfunction with spasm and/or fibrosis of the anal sphincter drome consisting of narrowing of the anal canal own observations tend to the belief that this synmuscular or only of muscular tissue (101). Our ter muscle and may be composed of fibrous and cutaneous component of the external anal sphincthe pectinate line actually resides within the subtailed to recognize that the "band" lying beneath that these are a distinct pathologic entity. He pecten bands are absent in normal rectums but of 12 years. Spiesman (328) stated that so-called rence in 90 private patients seen during a period subscribed to the foregoing and reported its occurdivision of the external sphincter." Morton (253) consists of anal dilatation with or without partial exia, cramps, tenesmus, and flatus. Treatment vague symptoms of abdominal discomfort, anorpation, chronic excessive use of cathartics, and fibrosis of the sphincter ani, with marked constihave described "a clinical entity of spasm and existing confusion. Newton and Mac Gregor (263) This subject merits discussion because of the

cleavage of opinrficially located, ANIC AND ANORECTAL FUNCTION AND DISEASE

skin in the sacrote or thick splitand to notitions oue of us (350) is reconstructive sorty is not a preend a highly satis-Juteal fascia tech--dus sint of waivage eW ".strents." We e spould be atgalts which have iny closure is not believes that a and sinus to redmun desta thod of excision fimore, and Katz -loi for the fol-

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to aupindoes of

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review a tew arti-

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ed skin that led us

was this weakness Ethickness gratts.

e avoided by the

rable to trauma. e open operation,

in the case of the the sacrum and

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gation or fissuring

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huty status or the

d the strain inci-

atructures.

ment of large cysts and/or sinus tracts. small lesions it is not satisfactory for the treatknow that while this technique is satisfactory for ment. Furthermore, from personal experience we this operative procedure as a "rational" treathigh rate of recurrence alone does not commend matic recurrences are missed for some time. This ination are at best not too reliable as asymptotionnaire in contradistinction to personal re-exambe added that follow-up studies based on a queswould have been higher. Parenthetically, it may

many surgeons, some even of wide experience, cations and consistently good results obtained, generally known that because of the few complitreatment of benign conditions." Is it not yet there is no place for 'en bloc' dissection in the The authors condemn "block dissection" as

continue to tavor this operation in spite of the pro-

dal sinus. It is like doing a hemicolectomy for cated to be considered good treatment for pilonitascial flap procedures "are entirely too compli-Kleitsch and Cherry claim that the musculolonged period of healing?

(361), and their work has been confirmed most fected primary and recurrent cysts and sinuses to be satisfactory for the treatment of large uninthese reconstructive gluteal fascia flap techniques Pope, Mohardt, Shute and Burch) have found However, many experienced surgeons (Holman, appendicitis or a proctectomy for hemorrhoids."

Yet these authors are not quite correct in their tial, and complete closure techniques. (167a) in a comparative study of the open, parrecently at a Veterans Administration Hospital

recurrence of infected sacrococcygeal sinus "(Surwas "advocated as a substitute for operation for treatment of primary lesions (361). Irradiation roentgen therapy has barely any usefulness for the treatment; on the contrary, it has been stated that gen therapy has not been claimed to be the "best" generally accepted as the best treatment." Roentstatement, "Irradiation of a pilonidal sinus is not

Kleitsch and Cherry consider local infiltration gery, 1940, 8: 469).

Rec., 1950, 10 ts. BLAIR, J. B., HC 8 ,8401 ,.12dO Ana. Black, W. A 1952, 83:64., 40. BISHOP, J. F. J 41. BLACK, B. M., 39a. BIRNBAUM, W. 39. BIRNBAUM, W.: RICETOM' K' F .85 Idem. J. Intern. .78 Arch. Surg., BEST, R. R. A. 30. 1951, 147: 13 34. Векк, J. Е. J. 35. Векку, R. Е. J. Вексек, К. Е., Г BELLINI, M. A. 320 BETTINGER' M' .15 S. R. Arch. 30. BEINHAUER, L. BEHEMAN, H. .62 1949, 12: 142 28. ВЕНКЕИР, М., ₹ Surgeons, 191 гу. Венкеир, А., .295:9 BECK, O., and B 20. BEAL, J. M., and 1 '0561 "TSQO 24. BARTLETT, K. 238. BARLOW, D. E. Acad. Sc., 1c. 22. BAKER, H. J. Not : 16 '0861 21. BACON, H. E., .82:721 50. ВАСОИ, Н. Е.,п Minnesota hi 16. ВАСОИ, Н. Е., 1950, 80: 3. 18. BACON, H. E. 3: 773. 17. BACON, H. E.,C 10. ВАСОИ, Н. Е., gery, 1951, 'C 12. ВАСОИ, Н. Е., Э Surgeons, 1c 13. BACON, H. E.

BLANK, W. A.,;

Idem. Surg. Gy

BLAISDELL, P. C

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thesia that it can be objected to only by those unthesia 'is so far superior to other types of anesare equally useful. To state that infiltration anes-Other types of regional or inhalation anesthesia local or infiltration anesthesia was 46.8 days.

familiar with the technique" is unwarranted.

policy is to remove all of the cyst wall and any complete surgical procedure. Our procedural ization technique because he considers it an in-One of us (R. T.) has abandoned the marsupial-Mohardt, Hoffert, and Healy, and our own (361). reader is referred to the studies of Pope, Holman, periosteum." For comment on this statement the deep wounds which involve the sacral fascia or advantages is that "it is not necessary to make though no figures are presented. Another of the is that the rate of recurrence is negligible, alvantages in favor of this operation. One of them the scar tissue or the cyst wall. He listed is adsupislization" operation which utilizes portions of Buie (59a) is adhering to his so-called "mar-

in the text). on cancer arising in sinuses and fistulas elsewhere total ablation of the cyst (361). (See comments

occurrence of a neoplasm in the cyst wall favors

found to be infected); even the rarely reported

scar tissue (which on microscopy is frequently

new review is now in the process of preparation. ested reader is referred to this special review. A able and was published recently (356). The interso vast that a separate review was deemed advis-The subject of pediatric proctology has become PEDIATRIC ASPECTS

KEFERENCES

1. ABRAMSON, D., JANKELSON, I. R., and MILNER, L. R. made after the acceptance of this review for publication. references used as a background as well as to additions References that are numbered and lettered refer to older

Am. J. Obst., 1951, 6: 121.
2. Allington, H. V. Arch. Derm. Syph. Chic., 1949,

59: 490. 22. Almy, T. P. Bull. M. York Acad. M., 1952, 28: 693. 3. Almy, T. P., Abbott, F. K., and Kinkle, L. E.

Gastroenterology, 1950, 15: 95. ALMY, T. P., KERN, F., JR., and TULIN, M. Gastro-

enterology, 1949, 12: 425.
ALMY, T. P., et al. Gastroenterology, 1949, 12: 437.
ANDERSON, P. A., DOCKERTY, M. B., and Burr, J. A.

```
355., 1950, 143: 1223.
                                            .861 :08 ,0861
111. ENTERLINE, J. D. Gen. Pract., 1951, 3: 35.
111a. Ewinc, M. R. Brit. J. Surg., 1952, 39: 495.
112. Fallis, L. S., and Marshall, M. R. Am. J. Surg.,
                                                                          IODGSON, C. H., and
                                                                          Gastroenterology,
                                                                                             · 66 : 61
                        England J. M., 1950, 243: 513.
ELIEL, L. P., PEARSON, O., and RAWSON, R. W. N.
                                                                 OII
                                                                          укев, W. С. Ат. Ј.
                                                    30: 440
Idem. J. Am. M. Ass., 1951, 145: 1138.
Idem. J. Am. M. Ass., 1952, 148: 653.
Edmiston, J. M., et al. Surg. Gyn. Obst., 1951, 92: 641.
Elseman, B., and Mueller, C. B. Surgery, 1951,
                                                                 .601
                                                                          R. G. Surg. Clin. N.
                                                                 ,801
                                                                 .701
                                                                          Laborat. Clin. M.,
                                                                 °901
                                                                                     145:28 '156
           Editorial. J. Am. M. Ass., 1949, 139: 1151.
                                                                  .801
               1951, 30: 106.

Dye, W. S. Arch. Surg., 1951, 62: 823.

Eddy, F. D. Surgery, 1951, 29: 11.
                                                                             .207 :949, 139: 702.
                                                                 .401
                                                                                 1022, 32: 1247.
                                                                  103.
                                                                                        ·441 :5 'C
DUNPHY, J. E., and BRODERICK, E. G. Surgery,
                                                                 .zoi
                                                                          1951, 38: 507.
V. K. Cancer, N. Y.,
                      Idem. Arch. Surg., 1948, 57: 791.
                                                                  "IOI
      DUNPHY, J. E. Surg. Gyn. Obst., 1948, 86: 493.
                                                                  100°
                            Ann. Surg., 1951, 133: 166.
                                                                                            I. L.
DUNNING, E. J., JONES, T. E., and HAZARD, J. B.
                                                                           Arch. Derm.
                                                                  .66
DUKES, C. E. Lancet, Lond., 1952, 16: 751.
DUNCAN, G. G., et al. J. Am. M. Ass., 1951, 145: 75.
                                                                  .86
                                                                          J. R. Am. J. Surg.,
                                                                ·246
                                                                            ·955 :84 'tr61 "15q!
            DUBILLIER, B. Texas J. M., 1950, 46: 237.
               Dopp, H. In discussion of Blaisdell (43).
                                                                  .96
                                                                           2018cty, 1951, 30:
                                 America, 1948, 28: 953.
DIXON, C. F., and MEYER, A. C. Surg. Clin. N.
                                                                  .86
                                                                           .5. Ann. Surg., 1950,
                                            1020, 86: 649.
 DI CAPRIO, J. M., and KANTZ, L. A. Arch. Int. M.,
         DISEASE FUNCTION AND DISEASE
 Stt
```

1848, 76: 733. FERCUSON, J. H. Cancer, M. Y., 1949, 2: 845. FICARA, B. J. Geriatrics, 1950, 5: 219. FINDLAY, C. W., and HAWES, E. L. Surgery, 1950, .511

·SII

FINE, J., and LAWES, C. H. W. Brit. J. Surg., 112gr .079:82

1940, 27: 723.

1172. FISHER, E. R., and TURNBULL, R. B. Cleveland 117. Idem. Am. Rev. Tuberc., 1951, 63: 1. FINLAY, A. C., et al. Science, 1950, 111: 85.

FROMER, J. L., and CORMIA, F. E. J. Invest. Derm., 120. Fox, P. F. Am. J. Surg., 1951, 82: 511. .011 Clin. Q., 1952, 19: 62. FOURNIER, H. J. Ann. Surg., 1949, 129: 156.

GABRIEL, W. B. Proc. R. Soc. M., Lond., 1948, 41: 467. ISI. 1952, 18: 1,

1212. Idem. Proc. R. Soc. M., Lond., 1952, 45: 090.

T21b. GARRIEL, W. B., DUKES, C. E., and BUSSEY, H. J. R. Brit. J. Surg., 1951, 38: 26.

1222. GARBEE, L. P. West. J. Surg., 1951, 59: 1.

1223. GARDRER, E. J., and WOOLP, C. M. Cancer, N. Y.,

1952, 5: 695.

1950, 90: 525. GARLOCK, J. H., and KLEIN, S. Arch. Surg., 1949, 124. GARLOCK, J. H., and GINZBURG, L. Surg. Gyn. Obst., ·EzI

Idem. Surg. Gyn. Obst., 1948, 87: 669. Idem. J. Am. M. Ass., 1951, 146: 1486. Gatling, R. R., and Kirby-Smith, H. T. Ann. 127. GASTON, E. A. Surg. Gyn. Obst., 1948, 87: 280. 150° GASS, O. C., and ADAMS, J. Am. J. Surg., 1950, 79: 40. 152 59: 1289.

Surg., 1948, 128: 1023.

A. Surg. Gyn. Obst.,

129, 128, ht., 1949, 89: 222. 1) 1048, 46: 423.

L. G. N. England J.

A. Arch. Surg., 1949,

R. P. Cancer, M. Y., ". H. Am. J. M. Sc.,

T. A. Surgery, 1950, merica, 1950, 30: 911.

.1962 : 949, 49: 2661.

frg., 1950, 79: 61. N. Surg. Clin. N.

nd McCorkle, H. J.

J. J. Am. M. Ass.,

.500

ISS.

.811:081 ,04 ·8451 .67:50

sog. LAUFMAN, H., W. E. Proc. Mayo Clin., 1950, 25: 463. 2042. LAUFMAN, H. H. York Acad. M., 1952, 28: 612. 168. HOPFMAN, M. S., WELLMAN, W. E., and HERRELL, ZOT. LANE, C. G., and Obst., 1947, 1947, Soz. KRUSE, C. A., Soz. LAHEY, F. H. 1672. HOFFERT, P. W., and HEALY, M. J., JR. Bull. N. .1611 : 741 ,1861 ,.28A 167. Hodges, F. J., and MacMillan, H. C. J. Am. M. Новву, С. Г., еt аl. Ат. Rev. Tuberc., 1951, 63: 434. .001 ZOIA. KRATZER, G. I 1951, 62: 437. 201. KNAPP, L. S. I HILTON, H. D., and Waven, J. M. Arch. Surg., .Soi J. Invest. Dei 1951, 92: 233.

HELWIG, F. C. Am. J. Surg., 1948, 76: 728.

HERFORT, R. A., and LIVINGSTON, H. H. N. York
State J. M., 1952, 52: 431.

HERRELL, W. E. Am. J. Surg., 1951, 82: 638. SOOD. LIPNIK, M. J. .401 SOOS. KLEMPERER, 1951, 62: 29.1 200. KLEITSCH, W. IOS. 1952, 111: 96 .101 199a. KLEITSCH, W. 199. KLEITSCH, W. 159. Helwie, E. B., Surg. Gyn. Obst., 1947, 84: 36. Radiology, 1 198. KIRSNER, J. B 158a. HELLMAN, F. R. Proc. Mayo Clin., 1952, 27: 285. 195 : Lti '1561 .89:18 158. HAYES, H. T., and BURR, H. B. Am. J. Surg., 1951, 197. KIRSNER, J. B. 1820' to: 136" 156. HARRIS, H. J. J. Am. M. Ass., 1950, 142: 161. 196. KING, J. M., at 11:471 (1861 KILLOUGH, J. F. .261 1552. HAAS, A. C. Am. J. Surg., 1952, 84: 510. KIEFER, E. D., .401 ·667:92 Idem. Am. J. I 155. GUNKLER, W. A., and PEARSE, H. E. Surgery, 1949, .561 Gastroenterc Opst., 1952, 94: 526. 192. КЕВИ, Е., ЈЕ. 1542. GRINNEIL, R. S., and Hiatt, R. B. Surg. Gyn. Gемичел., R. S. Ann. Surg., 1950, 131: 494. Idem. Cancer, N. Y., 1950, 3: 641. 191. KAUFMAN, W.F 152s. GREENE, H. J. N. York State J. M., 1952, 52: 749. 152a. GREENE, N. M. Surg. Gyn. Obst., 1952, 95: 331. KARLSON, A. (g .001 1951, 81: 33.4 189. Јонизои, Г. Ј. 1952, 148: 49. Свахзом, J. Brit. M. J., 1951, 2: 1379. Светевек, М. W. Arch. Surg., 1950, 61: 193. Светевек, М. W. Ann. Surg., 1950, 131: 100. Светеме, Е. I., and Светек, J. M. J. Am. M. Ass., .881 ·ISI Am. J. M. S JACQUES, J. E. JAWETZ, E. C. T. JAWETZ, E. C. T. JAWETZ, E. C. T. JAWETZ, E. C. C. JAWETZ, E. C. JAWETZ, E. C. JAWETZ, E. C. .051 .781 ·671 .081 .841 .281 GRAY, S. J., et al. Arch. Int. M., 1951, 87: 646. .441 Chn., 1949, 11 .708:45 GRANT, R. B., and MURRAY, S. D. Surgery, 1948, .opi 183. JACKMAN, R. J. Свелев, W. J., et al. Gastroenterology, 1949, 13: 536. Свелнамв, Е. W. Proc. R. Soc. M., Lond., 1951, 44: 11,0401 .. grue 182. JACKMAN, R. ·StI 1951, 93: 32 .441 Path., 1951, 21: 460. 181. JACKMAN, R. J. GOODMAN, J. M. Surgery, 1950, 28: 550.
GORDON, M. A., and Dubose, H. M. Ann. J. Clin. .841 N. America. GOLIGHER, J. C., LLOYD-DAVIES, O. V., and ROBERT-SOM, C. T. Brit. J. Surg., 1951, 38: 467. *2 t T 180. JACKMAN, R. 179. JACKMAN, R. .IAI Lond., 1951, 1: 543. Вrit. J. Surg., 1951, 39: 199. Солленев, J. C., and Huches, E. S. R. Lancet, America, 19 178. JACKMAN, R. C .opi Golleher, J. C., Brit. J. Surg., 1949, 37: 157. Солленек, J. C., Dukes, C. E., and Bussey, H. J. R. CIS61 "dsoH 177. ISRAEL, G. L. .981 .881 101: 120. ·\$68 : 8\$1 '0\$61 176. INGELMAN-SU GLADSTONE, A. A. and TURELL, R. J. Am. M. Ass.,

de l. Surg. (ivn. Obst. 1000 of 120

169. HOON, J. R., DOCKERTY, M. B., and PEMBERTON, J.

```
Obst., 1950, 90: 713.

Neal, J. W., Jr. Surgery, 1951, 30: 606.

Nelson, L. M., J. Invest. Derm., 1951, 17: 207.
                                                                       .882
                                                                                 otics & Chemother.,
                                                                                      .9511 :1 .0501 ,.EM
MYERS, H. C., and SUMMERS, J. E. Surg. Cyn.
                                                                       .782
                                                                                 ti Clin., 1950, 25: 169.
                        Minnesota Hosp., 1950, 22: 133.
                                                                                                29: 1233.
                 1951, 30: 477. MYERS, E. D., and BERNSTEIN, W. C.
Bull, Univ.
                                                                                 , and Wauch, J. M.
255b. MUELLER, C. B., and FISCHER, H. W. Surgery,
254. MORTON, J. J. Rhode Island M. J., 1950, 33: 347. 255. MORTON, P. C. J. Am. M. Ass., 1948, 138: 1090. 255s. Moschcowirz, A. V. Surg. Cyn. Obst., 1912, 15: 7.
                                                                                 H. T. Bull. N. York
                                                                                 and DUKES, C. E.
Soc. M., Lond., 1950, 43: 697.
MORTON, C. B. Virginia M. Month., 1951, 78: 232.
                                                                       .552
                                                                                 60c. M., Lond., 1949,
                                                                       5250
MORGAN, C. M., and LLOYD-DAVIES, O. V. Proc. R.
       250. Moore, S. W. Am. J. Surg., 1951, 82: 390. 250s. Moore, C. N. Postgrad. M. J., 1950, 12: 287. 251. Idem. Proc. R. Soc. M., Lond., 1949, 62: 189.
                                                                                 Mosp., M. York, 1951,
                                                                                 ", and KLOIZ, A. P.
         DAIC AND ANORECTAL FUNCTION AND DISEASE
177
```

M., 1949, 49: 2933. WESBIT, R. E., and BOHNE, A. W. N. York State J. 305:36 MEPTUNE, E. M., JR., et al. Surg. Gyn. Obst., 1951, 5000 .682

·S++:19 262. NEWMAN, H. F. Arch. Neur. Psychiat., Chic., 1949,

263. NEWTON, F. C., and MAC GREGOR, C. A. M. Eng-

MICKELL, D. I., and DOCKERTY, M. B. Surg. Cyn. .492 land J. M., 1948, 239: 113.

502 Obst., 1948, 87: 519.

Оснячев, А., DEВлкеч, М. Е., and DECamp, Р. Т. J. Am. M. Ass., 1950, 144: 831.

O'VEILL, J. M. Ann. West. M. Surg., 1951, 5: 962. PACK, G. T. J. Kansas M. Soc., 1951, 52: 48A. PALUMBO, L. T., LARIMORE, O. M., and KATZ, I. A. *892 .492 .002

Int. M., 1951, 88: 729. Атсh. Surg., 1951, 63: 852. Раррентовт, R. B., Jr., and Schnall, E. S. Arch. .692

29: 475. P., B., JR., and Wellman, W. E. Proc. PARNES, L. H., and Fracchia, A. A. Surgery, 1951, .01z

Mayo Clin., 1951, 26: 260. .172

 Релкбом, L. Ř. Åm. J. Surg., 1951, 81: 25.

 Регитев, L. F. Surgery, 1951, 30: 443.

 Региммев, К., Вянске, J. А., and Williams, J. P. South, M. J., 1951, 44: 801.

 Региммер, К., Вянске, J. А., анд Williams, J. P. South, P. M. J., 1951, 44: 801.
 .872 .272.

-542 POLLARD, H. M., and BLOCK, M. Arch. Int. M., · + Lz

276. Pool, R. M., and DUNAVANT, W. D. Ann. Surg., 1948, 82: 159.

.917 : 551 , 1391

1050, 10: 39. POSEY, E. L., and BARGEN, J. A. Gastroenterology, -442

PULASKI, E. J., CONNELL, J. F., JR., and SEELEY, 2800 1dem. South, M. J., 1951, 44: 226. .642 POTH, E. J., et al. Texas Rep. Biol. M., 1951, 9: 631. .872

.282 .117:71, 17:71. 181. PUND, E. R., and LACY, G. R., JR. Am. Surgeon, S. F. Ann. Surg., 1950, 132; 225.

Surgery, 1949, 26: 341. KANDALL, H. T., et al. .2001; 44: 1005. KADEMAKER, L., and KOYER, E. L. South. M. J., 283. Queries and notes. J. Am. M. Ass., 1950, 143: 859.

ERTY, M. B. Surg. 11: 222 b and KIEFER, R. F.,

M. E. South. M. J.

. Obst., 1948, 87: 15.

fotics & Chemother.,

W. Worth Carolina

fand J. M., 1949, 240:

and Davis, R. M.

4, and JACKMAN, R. J.

P. Surg. Clin. N. . 1949, 49: 2919.

.6, 251: 944. J. M. Ann. Surg.,

. ASS., 1951, 147: 24.

H. C. Surg. Cyn.

H. W. E. Proc. Mayo

746, 123: 866. J. M., 1951, 51: 2759

Senterology, 1949, 3:

5: 812. I. Gastroenterology,

osp., N. York, 1951,

952, 148: 265.

Surg. Gyn. Obst.,

,8401 .. [.M sionillI

1949, 1001; 34

.251:58

SPELLBERG, M. A., and ZIVIN, S. Arch. Int. M., 1949, MAKSMAN, S. A 371. 501 :88 '0861 SMITH, T. E. J. Florida M. Ass., 1950, 36: 488. MAISBREN, B. .078 America, 1949, 29: 1115. SMITH, F. H. Gastroenterology, 1950, 16: 73. SMITH, M. D. Am. J. Surg., 1951, 82: 583. SMITH, M. D., and HILL, J. R. Surg. Clin. M. WAGNER, C. J. .695 troenterology, 324. VALDES-DAPEN .898 323. UNDERWOOD, C .798 SINGLETON, A. O. SUIGETY, 1943, 14: 328. 30: 174. ULFELDER, H., 322. SILER, V. E., and BEBB, K. Am. J. Surg., 1950, 80: 366. Clin. Q., 195 | Surg., 1951, 133: 145. 365. TURNBULL, R. 321. SHAFIROFF, B. G. P., and MULHOLLAND, J. H. Ann. B. D. Cleve" .08:41 TURNBULL, 304. 320. SHAFTROFF, B. G. P. Tr. M. York Acad. Sc., 1951, .130:82 .846 Hopkins Hosp., 1949, 85: 310. 363. Тикель, R., ал '8761 'Bing S. W. Surg. Gyn. Obst., 1951, 92: r.
Schlicke, C. P. Postgrad. M., 1951, 10: 222.
Schlitt, R. J., McMally, J. J., and Hinton, J. W.
Surg. Gyn. Obst., 1951, 92: 223.
Scort, H. W., and Cantrell, J. R. Bull. Johns TURELL, R., G. 362. Obst., 1951, TURELL, R., 8, 301. 318. Idem. N. Yorki 300. .718 Idem. N. York .628 Idem, Am. J. SCHILLING, J. A., McCOORD, A. B., and CLAUSEN, 358. 316. Idem. N. York .728 SCHIEBEL, H. M. North Carolina M. J., 1951, 12: 49. .215. Idem. Surg., C. 326. Surg., 1948, 76: 723.
SCHAFF, B., and SPENDLOVE, J. G. Arch. Surg.,
1949, 59: 825. .558 314. .mA .l Idem. .458 Idem. West. J: .555 SCARBOROUGH, R. A., and Klein, R. R. Am. J. Williams and Idem. N. Yorl 352. Mace (72). SCARBOROUGH, R. A. In discussion of Cattell and SAVINTON, W. W. Am. J. Suig., 1951, 82: 603. 321. TURELL, R. T. M. Ass., 195 350. TURELL, R. U 310. SAUER, I., and BACON, H. E. Am. J. Surg., 1951, 81: .18:8 309. SALZSTEIN, H. C. Harper Hosp. Bull., Detr., 1950, J. Ann. Surg., 1951, 133; 344. TRIMPI, H. D. 348. 308. RUTENBURG, A. M., SCHWEINBURG, F. B., and FINE, munication. Rowe, R. J. Texas J. M., 1951, 47: 760. Runyeon, F. G. Journal Am. M. Ass., 1951, 147: TOUROFF, A. W. .748 .708 TORDOIR, B. A. 340. 3000 345. Idem. J. Florida M. Ass., 1951, 38: 247. 302. TILLETT, W. SL 1949, 23: 376.
Rosser, C. South, M. J., 1950, 43: 26.
Idem. J. Internat. Coll. Surgeons, 1950, 14: 52. .445 30t. F. A. Arch. .505 343. THOMPSON, J. Surg., 1948, 299. RIESTEIN, C. B., Am. J. Surg., 1952, 53: 140,730. RIESTEIN, C. B., MILLER, G. G., and GARDNER, C. McG. Ann. Surg., 1952, 135: 14.

301. ROSEMOND, G. P., BURNETT, W. E., and COOKE, F. N. Surg. Cyn. Obst., 1949, 88: 209.

302. ROSI, P. A. Q. Bull. Northwest, Univ. M. School, 1970. Rosi, P. A. THOMAS, R. A. 342. THOMAS, J. F. 341. J.M sinig 340. TERRELL, R. J. Internat. К. J. Ann. Int. М., 1950, 33: 1467. TAVENNER, M.C .688 *862 337a. SWEET, R. H.C 338. TALBOT, T. R. Arch. Surg., 1952, 64: 20. RICE, C. O., et al. Arch. Surg., 1950, 61: 977. RICE, C. O., STRICKLER, J. H., and ERWIN, P. D. 337. SUNDERLAND, '7 *96z Redish, M. H. Gastroenterology, 1951, RHOADS, P. S. Gen. Pract., 1952, 5: 67. 336. Idem. Surg. C Gastroenterology, 1951, 18: 179. · 762 1950, 15: 771. 332 SUGARBAKER, 293. READ, W. A., and MUSHAN, H. Gastroenterology,

WISCELLANEOUS

Symptomatic treatment, including a discussion of the treatment of keratoconjunctivitis sices with arrificial tears provided by a dropper, or a mechanical dropper fitted to a spectacle frame, is described.

W. Foster Monteomery, M.D.

Terebrant Rodent Ulcer with Widespread Blood-Borne Metastases. Alan H. Hunt. Brit. J. Surg.,

1952, 40: 151.

A case is presented to place on record the exceptionally wide dissemination of a rodent ulcer of the terebrant type. The patient, a 65 year old woman, was first treated at the Royal Cancer Hospital, London, in November, 1947, for a large ulcerating mass spreading from the inner to the outer angle at the left eye. The mass started from a pimple at logically basosquamous cancer was removed with sacrifice of the left maxilla from the hard with upwards and exenterating the orbit.

Biopsy specimens were made up to 6 months following the excision and failed to reveal recurrences. The defect was then covered with a double layer of skin by raising a pattern of skin from the forehead and covering the defect with a dermatome graft which extended up over the flap, but covering the epithelial surfaces of the two skin flaps with a sheet of tantalum foil. The repair was completed at a second stage when the flap was transferred into place over the defect

ferred into place over the defect.

In May, 1950 the patient was readmitted with a sternoclavicular mass which proved to be a baso-squamous carcinoma identical with the original tumor. Roentgen films revealed secondary deposits in the lumbar vertebrae. A recurrence developed in the orbit and a pathological fracture of the left femur occurred. Death occurred approxi-

after the maxillary resection.

The blood-borne spread of a basosquamous carcinoma appears to be quite exceptional and may have unavoidably occurred at the time of the resection.

W. Foster Montromery, M.D.

mately 7 years after the first symptoms and 3 years

Pigmented Basal-Cell Tumors of the Skin. J. H. W. Birrell. Austral. W. Zealand. J. Surg., 1952, 22: 47.

IONS BHASIO-

Lateral Thoracic Stral. N. Zealand. J.

periangitis of the septeative "cord" in sensitive "cord" in such that the sensitive of the thoracic strom 2 to 3 mm. It has been some structed just meet a such the cord supple at the lower muscle; in others, it is and ends in the structure of the supple structure of the supple structure in the such that it is such th

Letal and is seen in

here is no question in nature and is not sists of endothelial th thickening of the sar cell infiltration. The term "sclerosing ic wall" be used to but Jara Lazarus, M.D.

al Disease. A. D. Brit. J. Surg., 1952,

syndrome characterivitis sices), dry
parotivitis sices), dry
parotid swellings,
almologist usually
bester his advice.
Towever, may prere and during this
rotten made.

rpose is principally alar aspects of the

patients with non-

A series of 1,780 basal cell tumors and 650 melan-

survival according to survivors, of with per cent were wor years of age. This apparent onset of a was the price or it cm, or less) the form or it cm, or less) the form or it is a final with a life.

EXPER

Some Effects Upor ization. Roy il

The authors designed of a procedurer sults of a procedurer blood supply to the procedurer so the liver. Altherence of liver tuncthe man because the plan used we perform an end-to-tall end of the plan are tall end of the portion.

vena cava. The saxis was then analy wein by means of from the jugular variant the operative mand the operations show anastomoses in most anastomoses in most analy which had been of showed lobulation.

filled with glycogental and a postulated only be postulated created a feasible L

hypertrophy. Mich

The pigmented tumors behave in the same way as the nonpigmented, otherwise comparable, tumors and their practical importance is their differentiation from melanomas. It is shown that there is confusion between these two groups of tumors.

The available literature on pigmented basal cell tumors is briefly reviewed.

ELY ELLIOTT LAZARUS, M.D.

Malignant Melanomas. J. Maxwell Clarke. Austral. N. Zealand J. Surg., 1952, 22; 8.

centages according to three types of treatment; local ing. The authors have analyzed the mortality perthe mole shows some change in color, size, or bleedrare in children. Malignancy can be suspected when nancy is present. Malignant nevi are believed to be which case amputation may be indicated if maligthe mole except in the case of a finger or toe, in ment. Neither should biopsy sections be taken from malignant changes may occur following such treatshould not be applied to the nevus or mole because cautery, carbon dioxide snow, and similar measures with examination by the pathologist. Diathermy, applied, the author believes, is complete excision to trauma or irritation. The only treatment to be brown, black, or blue-black ones which are subject The dangerous moles were considered to be the dark hairy raised black patch rarely became malignant. let alone except for cosmetic reasons and that the 1946 it was believed that light brown moles may be Auckland Consultation Clinic between 1929 and In 90 cases of malignant melanoma seen at the tral. N. Zealand J. Surg., 1952, 22: 8.

excision of the glands (3 months to 1 year).

Of the series of 25 patients subjected to simple to coal excision, approximately 30 per cent were dead in 2 years. Of the second group of 16 patients who were subjected to early excision of the glands, about 32 per cent were dead in 2 years. Of the third group of 10 patients whose glands were excised late, about 10 patients whose glands were excised late, about 11 patients whose glands were excised late, about 12 patients whose glands were excised late, about 12 patients whose glands were excised late, about 12 patients whose glands were excised late, about 13 patients whose glands were excised late, about 12 patients whose glands were excised late, about 12 patients whose glands were excised late, about 13 patients whose glands were excised late, about 14 patients whose glands were excised late, about 15 patients whose lates whose were excised lates whose were e

excision only, early excision of the glands, and late

80 per cent were dead in a years.

The thigh, trunk, and neck lesions appeared to have the worst prognosis, while lesions of the head area, the legs, and the digits appeared to be more benign. There was a surprising difference in the 5 year

DE SORGERA LIONAL ABSTRACTS

E261 , YAM

PRECLIAE BEAIEM

YNOKECLYT ENNCLION VND DISEVSE

(D., F.A.C.S., New York, New York, JOSEPH S. KRAKAUER, M.D., F.A.C.S., New York, New York, JOSEPH S. KRAKAUER, M.D.,

negative nitrogen exchange usually occurs after an operation even of a well nourished, previously healthy person. The cause of this phenomenon is a matter of dispute. The maintenance of a dynamic protein equilibrium requires many of the component amino acids of complete proteins.

NOWBER ?

A patient with colonic cancer very often shows anemia and hypoproteinemia. In the past anemia was studied by determining the values of hemoglobin, the hematocrit readings, and the total protein per 100 c.c. of plasma. Preoperatively, a more per 100 c.c. of plasma. Preoperatively, a more per 100 c.c. of plasma are required (384). Recently, it has been shown that because of commore per 100 c.c. of plasma are required (384). Recently, it has been shown that because of commor per 100 c.c. of plasma are required (384). Becently, it has been shown that because of romand related factors, total blood volume or red blood cell mass determinations are more accurate blood cell mass determinations are more accurate guides for effective therapy.

Anemia and hypoproteinemia are combated by an integrated program of oral feedings of protein and the parenteral administration of blood and blood substitutes. Transfusions of whole blood or of washed red blood cells are par excellence for the

ations. The main is to prepare the er safe for surgery. pert knowledge of of physiology and of by a group of the special special properties.

nate of no arotowa r her daily caloric arbohydrates and to 22 ber cent of ie average healthy body weight (402) roughly about 2.5 ories per kilogram and caloric intake e protected by adlotein must be resaterosses and harfes interference of the on or a protracted Researed prospects zeon iaces a very A winst be com-

The safety of rel ing the course of the fonamides or antic tion. Vitamin K 124 may be given as flavin, and 100 to C, 20 to 40 mgm. of dose of vitamins is potassium may be a vitamins and elec hydration of the P nutritional and flu

shown to be of val Orally administere as well as for the quiring calories for! means of parenter been established (3) which are utilized tion to patients of

These patients do cluding about 15cm palatable diet con Patients with cole tion than when it tract produces a 🐒 amount of nitroger tor as yet an un one because it is eff oral route of feedur It is generally ce ·(\$991

Intubation. In and assurance. a daily colonic irri of human frailties of colonic antisept their initial emple sponjq pe no need mide or antibiotiff cathartics in conjuplished by means all forms of coloni Irrigations. An frequent intervals

bowel about is t

in the colon it is (4)

hemolytic or pyrogenic reactions (338). pression of erythropoiesis, polycythemia, and such as homologous serum jaundice (135), de-

and available protein. substitutes only osseous gelatin is a worthwhile the dog as well as in man (287). Of the plasma supporting the protein economy for some time in in metabolization, are nevertheless capable of of cardiovascular complications and are delayed Plasma proteins, although they carry the risk

with dextrose for its protein-sparing capacity and methionine. Most of these products are bottled acid hydrolysis also contain tryptophane and mouth. The hydrolysates that are prepared by who cannot take a sufficient amount of food by trition of patients who cannot or refuse to eat and administered intravenously, are useful in the nu-Protein hydrolysate and amino acid, usually

Rice and his associates (296) have shown that added to each 50 gm. of amino acid. for its caloric value. Less than 2 gm. of salt is

2,500 c.c. of this solution per 24 hours. Blood The average patient receives about hydrolysate of casein. Absolute ethyl alcohol is enzymatic digest of bovine plasma or the acid cule of fructose. The amino acids are from the down into one molecule of dextrose and one molehydrolysate of cane sugar; each molecule is broken by Weinstein (384). The invert sugar is an acid and safety of invert sugar have been established and 12 per cent of invert sugar. The usefulness 6 per cent of amino acids, 5 per cent of ethanol, and fluid intake the same. This solution contains meter, making the numerical figures for the caloric which contains I calory for each cubic centiauthors (297) have developed an ideal solution tive control of the patient. More recently, these tional value in the preoperative and postoperasedation and some analgesia which have addisired. Incidentally, this alcohol solution provides electrolytes and vitamins may be added as dealcohol (7.5 per cent). Of course, to this solution trose (5 per cent), amino acids (5 per cent), and venously administered solution containing dextient can be provided from 3,000 c.c. of an intracalories without excessive hydration of the paadequate daily carbohydrate, amino acids, and

trom his need for the chloride "ion" (216). for sodium may be quantitatively quite different nearly normal amounts so that the patient's need may retain sodium and yet excrete chloride in trose. It should be kept in mind that the kidney o.5 per cent of sodium chloride and 5 per cent dexit should be replaced with a solution containing loss of extracellular fluid during this 3 day period, after operation. In the presence of a significant ing the operation and the subsequent 2 or 3 days solution should be administered to patients durserved long ago by Coller and others, no saline hood toward transient retention of sodium, as obduring an operation and the postoperative likelipresence of impairment of the renal blood flow sodium-containing body fluids. Because of the or in the presence of extensive external loss of quent inability of the kidneys to retain sodium, are altered in the face of renal disease and conseine (216). The requirements of sodium chloride gm. per 24 hours or 250 to 500 c.c. of normal salary excretion of this element varies from 2 to 4 Sodium chloride. The normal intake and urin-

istration of hypertonic saline solution (2%). The treatment of this complication is the adminthe patient supposedly cannot tolerate this load. during the immediate postoperative period when siderable amounts of salt-free dextrose solutions day; such a policy would also prevent giving consodium chloride during the first postoperative salt the day after operation rather than to withhold would not be wiser to administer 4.5 to 9 gm. of salt. A question is pertinently raised whether it and by the administration of judicious amounts of during the days immediately after the operation dextrose solution during operative procedures and vented by the avoidance of excessive amounts of ide have been reported. These seizures can be preof the extracellular fluids and lack of sodium chlorintracellular edema caused by excessive dilution curring from 12 to 48 hours after operation and mEq/L) (4012). Sudden convulsive seizures ocin some of the patients (the normal being 100 the serum chloride was as low as 75 mEq per liter depletion of the chloride level appeared recently; surgical patients in whom there was a definite An important article on water intoxication in

Led when intesting of the when intestinal supplies of the intestion of the tip of sale ballon occlusion of the sir on with the sir on with the sir on with the balloon or with the balloon on with the balloon on with the balloon

place of intestinal of the colon for sur-

(Also read N. 'ua death of several of ects develop. Salz-Ly circulatory overdoum oot gaisuten! cent loss of the cir-ECK Which may be gion in order to prest during the perwon si 11. bragar al, essuess spont hemo-\$ (210, 309). Durahe rectum a loss of that during an ab--supri boold—norto the text.

cent dextrose solu-

this review. Suffice this review. Suffice of the physician-to the patient and anesthetic agents, Imonary aspiration e anesthetist. The resthesia for radical testhesia.

Mutrition. The cts of nutrition perurse of preparation ter cmphasis to the Excellent nutrition gh the average pagent

therapy (82a).

produce alkalosis the balance can be to of potassium, In the peared a host of peared as ho

Accurate potassium che recent developmy the recent developmy in the absence of the plasma potassium in the potassium in the potassium in the proximately 150 to over 95 per cent of thirds of the intracipmont and does not the intracipmont and passes freely in third passes freely in third

The normal intally per day is approxim, per day is approxim, and delivered by the and to the kidneyal potassium, except the growth of new some is also excreted.

Depletion of potar (1) a diminished intestinal obstruction diarrhea, intestinal intubation of dextrose and (5) and drugs such as epine (ACTH), and cortism nutrition; and (5) from plasma to celementary of the cortism of the cortism

drate anabolism.

Clinically, a mocy pected in the presectoronic ileus, edemanenergy, and inability food. Tachycardia if

bined with additional nutritional parenteral This therapy is well tolerated and may be compreventing the occurrence of metabolic acidosis. excess of chloride with 12 mEq. of potassium, thus tary or pancreatic drainage, and provides sodium in losses sustained through intestinal suction or bilpletion. The intestinal solution replaces the which in turn leads to intracellular potassium deoccurrence of metabolic extracellular alkalosis sodium with 17 mEq. of potassium to prevent the or vomiting, and provides chloride in excess of places the losses incurred through gastric suction with 100 gm. of dextrose. The gastric solution rechloride, and 5.6 gm. (50 mEq.) of sodium lactate sodium chloride, 0.9 gm. (12 mEq.) of potassium testinal solution consisting of 5.1 gm. (88 mEq.) of chloride with 100 gm. of dextrose, and (2) an inchloride, and 3.74 gm. (70 mEq.) of ammonium sodium chloride, 1.3 gm. (17 mEq.) of potassium tion containing, per liter, 3.7 gm. (63 mEq.) of

Salt therapy in hypoproteinemic patients who hold extra water in the extracellular spaces is better accomplished by meeting the protein deficit with transfusions of blood or blood substitutes than by simply withholding salt and thus allowing the sodium level to fall to normal.

The terminology of the electrolytic elements is now undergoing a change from expression in terms of milligrams per 100 c.c. of fluid to milligrams per 100 c.c. of fluid to milligrams per 100 c.c. of metric system in gravilents per liter just as the metric system in gravimetric and volumetric expression is superseding

the apothecary's system.

Potassium. The student of colonic disease became keenly aware of the clinical importance of the element potassium in 1945 when Darrow (86a) showed low levels of potassium in the serum of intracellular potassium to the extracellular spaces. Subsequent studies by Darrow (87) and his associates on the loss of body potassium in excess of body nitrogen in infantile diarrhea have a bearing on the problem under discussion and will be detailed here. They showed that (1) the amount of intracellular sodium may be slightly high during hydration; (2) administration of sodium chloride without sodium picarbonate should suffice to rewithout sodium picarbonate should suffice to re-

was replaced at the time of the operation, there usually is no need for further blood transfusion.

the remaining ideas. with the last thought and disagrees with most of small defects." Wolff (393) is in agreement only ure of the peritoneum is essential in preventing operative and postoperative courses. Proper closproteinemia, vitamin deficiencies, and the pretions, day of disruption, suture material, hypoage, cancer, obesity, pre-evisceration complicabetween the relation of wound disruption to sex, Oser (157) that "there may be no parallel drawn Of interest is the conclusion reached by Hawk and than that following the use of vertical incisions. wound dehiscence or separation is definitely lower ing, coughing, and bed exercises. The incidence of toneal cavity, and is safer for early deep breathmost physiologic surgical approach to the peri-They believe that the transverse incision is the patient's postoperative solourn in the hospital. operative complications and a shortening of the there is a lowering of the incidence of all postployment of the transverse abdominal incision when early ambulation is combined with the emdors. Coller (343) and his associates believe that chair; he should move about the room or corriget the patient out of bed and have him sit in a lowing day, is practiced (208). It is not enough to tion, namely, the day of the operation or the fol-Ambulation and type of incision. Early ambula-

challenged (unpublished data). of trypsin as an anticoagulant drug has been embolic complications of his patients. The value exercises have solved the problem of postoperative believes that early ambulation and specific leg intravenously every 24 hours. Leithauser (208) 10 per cent solution of calcium gluconate given dosages of 100 mgm. every 8 hours with 10 c.c. of lan phosphate) is administered intramuscularly in tion by mouth, alpha tocopherol phosphate (epsi-8 hours. It the patient cannot take the medicaorally in dosages of 200 international units every their article they administered alpha E tocopherol tive venous thrombosis. At the time of writing pherol (epsilan M) for the treatment of postoperahis associates (265) have introduced alpha toco-Postoperative venous thrombosis. Ochsner and

ploe, should consist an by mouth, otherman of chloride and ministered parenteraced by the addition that (3 to 5 gm.) of calls or fruit juices.

lopment of potascrical and an effecpoot per cent in all the inclusion of 5 procedure, Lockdehydration, or on d potassium levels ed in the presence 1. Potassium ther-Rective against the frum gluconate adto wor lamion ad; o compat dehydrassium into the tisat glucose helps to it potassium. The Ecretion may prodidates for potasned. Patients with insufficiency, oliof potassium the erapy. Therefore, hot normal, are conwits per liter, which adma concentrations its per liter which of potassium in the an is necessary so as ate of 8 c.c. (about muissatod to .mg 🐧 dy weight per day kimately 3.5 milli--illim os bəəsxə tçı attavenous infusion; -sinimbs si bas ad d to a liter of dexremployed. The reg sterile solution of

Treatment of cany panthonate; this propostoperative abdoir drugs have respon responded poorly on

in the foregoing pa based on the results!

.(98) bəttimo tion of the right post ligated. The ileum of the midti branches of the m flexure and the a be performed (153) filos tigir bas silos colectomy with disa right colon proxim Colonic cancer: 13

of the spleen which Hexure may metasty nodes should be reff transverse mesocol the middle and let Hexure as the lymp of the distal trang section should be co duced or offset by necessary. The pos-Both the hepatic a tion of the middle q Cancer of the tra;

concluded that a ly study of their 205 (However, Welch moval of the spect the regional lymp tainly justified in the rectum. Suchi with anastomosis C. the aorta. This M. by severance of the the superior hemor colic vessels are sag Under these circun which necessitates ir spreads laterally w Cancer of the desp

> cardial infarction occurs it should be diagnosed cardiovascular complications. Whenever myospock, and to prevent or effectively control nonoperative time, to avoid hemorrhagic or surgical anoxia, and the surgeon must aim to reduce the coronary occlusion the anesthetist must avoid

lower nephron is unable to reabsorb the water to days' duration. The tubules of Henle or the characterized by oliguria and anuria of from 5 to itonitis or a blood translusion reaction, and is ture. This syndrome may occur as a result of perterm is encountered in the recent surgical litera-Lower nephron nephrosis. This relatively new and treated with dispatch.

.(90£) require electrolytic replacement on short notice a short period of time so as to produce shock and amounts of water and sodium may be excreted in ever, when normal renal function returns excessive observed and treated symptomatically. Howoccurring as a result of suction, and the patient is ministered to replace the insensible loss or that lus. During this time enough fluids should be adnormally filtered from the blood by the glomeru-

tients. portant factor in the cause of death in these pabowel suggest that kidney failure may be an imcolonic obstruction with distention of the small protein nitrogen and potassium levels in acute plasma potassium were present. Elevated nonchloride and albumin, and an elevated level of tention, a lowered plasma volume, great loss of the presence of concomitant small intestinal disdistention and vomiting. On the other hand, in operanction uncomplicated by marked small bowel bumin and water was discernible in acute colonic ered plasma volume due chiefly to the lack of alsmall bowel and the associated vomiting. Lowon the presence or absence of distention of the occurring in acute obstruction of the colon depend He found that the chemical changes in the blood before operation and for 3 days after operation. tients with obstruction of the colon due to cancer man, studied this problem in 40 consecutive pathe biochemical changes of colonic obstruction in (145), unable to find any literature dealing with Biochemistry in colonic obstruction. Grahame

been performed during the initial operation. cient excision of the gland-bearing mesentery had was effected because of the belief that an insuffterminal operation, a wider intestinal resection ing and extraperitoneal anastomosis. At this ter an intraperitoneal anastomosis to spur crushwith spreading peritonitis. Incidentally, they preresections in a instances of large, free perforations psch and Slattery (53) have employed obstructive patient, particularly incident to old age. Breidenpattern, and (4) a poor systemic condition of the excessively fat mesentery obscuring the vascular tion; (2) pericolonic abscess or intection; (3) an lesion, accompanying subacute or chronic obstruclumen of the bowel proximal and distal to the tions: (1) great disproportion in the size of the primary anastomosis in the following four situalieve that obstructive resection is preterable to not be supplanted. Garlock and Klein (124) bemains a useful operative procedure, and should The operation of obstructive resection still re-

'9ZIS pression in a bowel that may assume an enormous colon are the most accessible portions for decomcecum and the right segment of the transverse excellent surgeons. It should be recalled that the tube type although the latter has adherents among the exteriorizing type appears to be superior to the caudally situated (53, 173). Of the cecostomies, lesions of the sigmoid and for those still more portion of the transverse colon is employed for moid while a loop type of colostomy in the right valuable for lesions situated proximal to the sigtor obstructive lesions of the colon. Cecostomy is the necessity of the decompressive proximal vent There is complete unanimity of opinion as to

prompt decompression. makes possible the insertion of a catheter for Hunt clamp which has a central opening that tion. This procedure is facilitated by the use of a nne needle for suction to relieve gaseous distencecum from the rest of the abdomen and uses a under infiltration anesthesia, Meyer packs off the After a McBurney type of incision and (246)

closed loop type of obstruction that is comparable presence of a competent ileocecal valve forms a Parenthetically, obstruction of the colon in the

> t totally, counterperative complicaprire group of 205 Lal operation would ans. However, to in might have lived E. 2 years, so it is tave been removed. give survived if all

> finical experience cancer may thus may have been e scrutinized, and he bowel adjacent puriunity of the e transected colon direct inspection scirlly, the oppornracy with which ced and younger formance of many uo jou pəseq se 📭 (type of anastomo-(), The significant Fegarded as a boon gdiate re-establish-138). One-stage reastomosis may be ure can nearly alns (53). The desenutinos sisomotinues -irq nguodils ,(10%) structive, nonperoben end-to-end on tavors primary

on at the anastoremained viable n on 16 dogs have of free peritoneal in this procedure. occasional surgeon tts simplicity is of the colon have

ieve that there is

Grinnell (153). also practiced by tion of sphincter verse colon to then

inferior mesenteri would not have by to the neoplasm mens; 12 of these metastatic lymph 🎚 paper Grinnell as roughly 10 cm. (👫 the inferior mese perween the sacra lymph nodes are eral closely follow! of all possible lym Les tern of the first sal the desirable pointil tion of the inferio his original paper (duently overlooket resections and in state rections of the rections artery) in the penil teric artery (aboy in 1908, advised hi Of historic inter

and the levator all of adjacent tissuff standard Miles tell of the prostate are nal vesicles and the tate, both vasa de curring at the level terior, infiltrating? cause of the frequi of residual cancer extensive dissection the vagina are pel hysterectomy, and women, bilateral tory, iliac, hypogi ward to include the and removes the Fil artery at the aorts Deddish (89) F

> resection (55a). ulceration and thus prepare the gut to withstand the bowel wall, and will promote the healing of flora, will cause the disappearance of the edema of normal, will diminish the violence of the intestinal tion, will restore the blood supply of the bowel to will relieve the intraluminal pressure from distenlation and without exploration. This procedure one that should be performed with little manipu-

> tients is in the vicinity of 30 per cent (246). The whereas the incidence of this lesion in ward paprivate patients is approximately 10 per cent, The incidence of acute colonic obstruction in

> mortality from this lesion is approximately 20 per

cancer. operation to indicate the precise location of the which is carried out prior to, during, and after three-way method of anatomic measurements studies already discussed. They also developed a work followed that of Goligher's (138) anatomic that in the past were unremoved. Their clinical practice, thus eliminating abdominal lymph nodes phalad direction beyond the limits of present-day tion of the inferior mesenteric vessels in the cespread has been neglected. They extend the ligatro, and Smith (8) believe that upward lymphatic along the inferior mesenteric vessels. Ault, Casmarily at dissection of all possible lymph nodes ever before. The recent surgical attacks aim priis now being attacked more aggressively than Rectum. Cancer of the rectum and rectosigmoid

very little, if any, from a sigmoid colostomy. This the left side, which functionally is said to differ formed. A transverse colostomy is constructed on nodes along the common iliac vessels is then perduodenum caudad. Dissection of the lymph cava from the level of the third portion of the and lateral aspects of the aorta and inferior vena ies as well as the lymph nodes along the anterior and pelvic colons with their respective mesenterremoves one-fourth of the transverse, descending, mesenteric artery is ligated at the aorta. State hemicolectomy. In this operation the inferior dominoperineal resection of the rectum and left rectum (as well as that of the left colon) by ab-Rosi (302) and State (331) treat cancer of the

believed to be cured. cer was found and extirpated; this patient is now and, on each occasion save the last, residual canfive re-entries into the abdomen had been made, glands. During a period of a little over 2 years, colon with gross metastases to the regional lymph aged 60 who had had a carcinoma of the right sented an interesting detailed history of a woman subsequent re-entries. Wangensteen et al. prebe free from cancer on the second inspection or with residual cancer at the first "second look" will worthwhile if a substantial number of patients ment is notoriously small, this procedure will be Since the cure rate of cancer with nodal involvethat Wangensteen wrote his second report (375). nancy, ii were free from carcinoma at the time macroscopic or microscopic evidence of maligmoved regional lymph glands were the seat of lymph nodes. Of 17 patients in whom the reall detachable residual cancer in the metastatic first "second look", an attempt is made to remove worthwhile. At the time of the first re-entry or toneal cavity is claimed by him to be particularly s "second-look" of the perineum and of the perinoms of the rectum with metastatic lymph nodes,

Anterior resection. When a cancer of the lower sigmoid or rectosigmoid is removed by so-called anterior resection, inferior mesenteric vessels should be divided as high as local conditions permit. Distal to the neoplasm, as much as possible of the bowel and retroperitoneal tissue should be removed, preferably 5 cm. or more it possible. The safe margin of excision of bowel distal to the tunor has not yet been conclusively determined.

Goligher (138), on the basis of his anatomic studies, has described three methods of ligation of the branches of inferior mesenteric vessels to be utilized in anterior resections that will eliminate most of the bowel and the lymph nodes proximal to the growth and yet will preserve sufficient signoid for re-establishing intestinal continuity.

Method I. In the average case with a reasonable length of sigmoid colon, the most dependent point on the loop is supplied by the first sigmoid artery, so that by tying the inferior mesenteric vessels just below the origin of this branch and dividing the mesocolon parallel to it, a sigmoid dividing the mesocolon parallel to it, a sigmoid

(nolos fielt colon). semarks regarding -orsence of microsi he last factor is lasm and fine bioases are stressed rees the trees but ·ive in many cases. If not of mortality, on cancer therapy the patient from ly in radical surines primarily in vations force us to sand further study he more extensive

endency to effect or perineal wound steen the discharge abonett (85). (Also and steen the discharge abonett (85). (Also 241).

tion with suction

At operation adinia reduced.

without nodal ination for from 5 to the of about 45 per into these calculapeless cases as preivileged large city results of treatbowel and rectum

disparity. Welch

and Fischer (255bi) tinuity of the bow? the colon with a 🙀 A technique of

tomies." Parenth' stored continuity but I have an idea philosophy. It is the ned when surgical rate, re-establishm dures. Sentiment of stall about the sphinct. fluences the advice serve the anal si 123, 231, 235, 286 "anterior resection" sphincter controlic ficiencies of open The controversy.

carried out in patrig proper case select group of lesions he local recurrence of the controversial if between 9 and 13 from 14 to 20 cm. ht rot betscibni si absence of recurres and outside of the the high incidence centimeters or less procedure is unsult to this operation, low-up observation anterior resection Wangensteen, V tomy has been reff

and 20 cm. (6 to stated, according cinoma of the re employ it, local 🦚 extirpation of car doned the procedi rences, Garlock ad Primarily becau controversial level

The second second

inches. If a longer sigmoid stump is required, it the peritoneal reflection may rise as much as 2

methods. may be secured by either of the succeeding two

below this are preserved intact. The length oband the intersigmoid arcades for some distance method I, but instead of section of the bowel, it teric artery and mesocolon are divided as in

of lengthening can be accomplished in this way. actually very variable, but generally 2 to 3 inches the gaps between the sigmoid arteries, which is tained by this maneuver depends on the width of Method II. In this method the inferior mesen-

determining the extent to which the end of the ing colon in this fashion is futile because the factor sigmoid has been divided, freeing of the descendtion as far as the splenic flexure. Until the first outer side of the descending colon and mobilizanecessary, by division of the peritoneum at the mits of another inch or two being obtained, if additional 2 to 3 inches of colon, and further permoid and the left colic arteries usually secures an up of the large "window" between the first sigartery for the supply of the stump. This opening marginal artery between it and the first sigmoid descending branch of the left colic artery and the branches. Thus reliance is placed entirely on the mesenteric ligature is applied between these two colic arteries arise independently the main inferior mencement, or in the cases where it and the left sigmoid artery itself is divided close to its comof the first sigmoid and left colic arteries, the first mesenteric vessels just below the common origin Method III. Here, after ligation of the inferior

rectal remnant after resection 1 inch or so below III, to permit of end-to-end union with the anoby one of these maneuvers, most often method might be, enough colon could always be provided showed that however short the sigmoid loop Experimentation with the arterial specimens stump can be brought down is the intact first sig-

flexure or middle of the transverse colon and anascarcinomas, it is possible to resect up to the splenic ficed, as for example in certain cases of double When the entire sigmoid colon has to be sacrithe anterior peritoneal reflection.

low the site of anastomosis—the fertile soil for soundness of saving the portion of the bowel beprocedure, These considerations question the rences constitute an indictment of any surgical invisible laterally spread cancer. Local recurbowel which suggests the failure of removal of the and that the growth extends secondarily into the not only at the suture line but also outside of it, pointed out that local recurrence is encountered

cancer.

on examinations by other sources or correspondthe authors themselves; reliance was not placed patients had been followed up and examined by ings in this series of cases are significant as these was 8.3 per cent with none in the pelvis. The findward patients the recurrence at the suture line combined percentage of 4.9 per cent, while in 15 cent and in the pelvis 1.6 per cent, which gave a rate of recurrence at the line of suture was 3.3 per situated between 15 and 20 cm. (6 to 8 inches) the Significantly, in 60 private patients with lesions their 2 ward patients with lesions at that level. 10.3 per cent, while no recurrence was noted in at the suture line and in the pelvis was equal at at 13 to 15 cm. (5 to 6 inches) the rate recurrence the pelvis. In 29 private patients with the lesion currence at the suture line with no recurrence in 7 per cent; 5 ward cases showed a 40 per cent reof anastomosis was 35.7 per cent and in the pelvis (4 to 5 inches) level, the recurrence rate at the line patients with the lesion situated at a 10 to 13 cm. giving a combined percentage of 60. In 14 private in the suture line and 40 per cent in the pelvis, patients presented a recurrence rate of 20 per cent suture line and none in the pelvis, while 7 ward to 4 inches) from the anus to be 30 per cent at the with lesions lying at a level between 8 to 10 cm. (3 noted the rate of recurrence in 13 private patients ies directly with the level of the cancer. They clearly that the incidence of local recurrence varnoted that Garlock and Ginzburg have shown While on the subject of recurrence let it be

the rectum is mobilized. This operation is justiperform an anterior resection should be made after Dunphy wisely stated that the final decision to ence with the patients.

fied when a hand's width of normal bowel extends

dinvolvement inapove the perials not invade the pre than 15 cm, Its are obtained lying below the zidT .bsvlovni əua when the when the pelvic lucyes) csu pe reum when a marupt cancer of the biove of (8) bas. section provides betaqrifta be extirpated Thy, they stressed at when the local whe upper rectum tant metastases, to avoid colosscarcinoma of the

plindness. ni sa nebrud eld ni ano aht babba , de metastases.

ae tormalin-fixed ase of the cancer li that the extent pased on their dnirement set by ation in formalin ot anill shrink to an the freshly revations that this si muminim isər: or the operative neiterate that

gy par date an of the surgeon's rargin in normal

in, and (2) the al portion of the hs are: (1) the it normal bowel e wisdom of re-

trated by Baken successfully utility sections of the poryantages of this coperative field has that in the coperative field has the coperative field has the coperative field has been successfully the coperative field has been successfully the coperative field by the coperation of th

Pull-through the cheege procedure by Babcock and impetus by Bacch procedure procedure by Bacch articles on procession in which were removed were removed were situated abovers situated situ

Most surgeon in ously opposed as Ravdin (286) do shortes wide dissectal tissues. He sider this a sufficion normal sphiral gives a metal remark than "Social Security "Year York, Sept."

articles of Bacor

Sphincteric consplex by the Mark Sphincteric consplex of the pull extirpation of the musculature is lastrated that the strated that the which control trectum. Mayo ence with cancer the so-called pull formed, does have formed, does have the so-called pull it, I am equal to make the so-called pull t

be as high as in the Miles procedure (215). The blood supply, as already discussed, is variable and cannot be determined arbitrarily by division of the bowel at any set point. The first consideration is not the blood supply but adequate eradication of the cancer. Once this has been accomplished, the viability of the remaining colon and rectum is assessed. As already discussed, pulsation of the vessels and color of the bowel are the important guides for proximally, the vascularity. Disconnish as well as proximally, the vascularity is demonstrated by adequate bleeding from the cut demonstrated by adequate bleeding from the cut demonstrated by adequate bleeding from the cut edge of the rectal stump. This constitutes a valid edge of the rectal stump. This constitutes a valid

without the use of a crushing clamp.
Garlock and Ginzburg have illustrated well

their technique of anterior resection.

A simplified method of rectocolic anastomosis

A simplified method of rectocolic anastomosis with the sid of a specially designed clamp was recommended for cancer of the bowel located above the cul-de-sac level by Sugarbaker and Wiley (336) on the basis of alleged simplicity, technical facility, security, and adequacy of extirpation of the primary growth. This clamp is said to establish and maintain the anastomosis of the cut ends of the bowel following the radical resection of the cancer-bearing colon. On paper this technical manner of the radical resection of the manner of the radical resection of the cancer-bearing colon. On paper this technical manner looks appealing, although we are all-

ways critical of special appliances.
Richards and Thomas believe that anastomosis of the bowel, particularly in difficult sites such as the pelvis near the peritoneal reflection, can be facilitated by the use of a supporting ring timed to disintegrate within 40 hours. The rings are 25 mm. long, 14 to 31 mm. in outside diameter, and slightly thickened at both ends (West. J. Suvg., slightly thickened at both ends (West. J. Suvg.,

1948, \$6: 592).

The technique of combined abdominoendorectal resection for certain types of cancer of the midrectum and the upper part of the rectum was described and well illustrated by Black (48). By April, 1952, Black had performed more than 40 of these operations in properly selected patients and hese astisfied with the results. (Also read Arch.

Surg., 1952, 65:406).

The abdominoanal pull-through operations described by Swenson and Hight for the treatment of

cussed by Mesbit and Bohne (261). (Also see J.

squamobasal cell lesion (177). The former metaseither as a basal cell or squamous cell lesion, or a the epithelium of the anal canal. They occur Anus. Epidermoid anal carcinomas arise from Am. M. Ass., 1952, 150:177).

tasizes slowly and late, while the latter may

The early lesion, if localized to the perianus or metastasize very early and rapidly.

and Mansfield (244) have presented a simplified original operation or at a later date. Mendelsohn guinal glands is indicated either at the time of the the rectum and anus with dissection of the intum) is present, an abdominoperineal resection of treated. If invasion into the anal canal (or recjust as similar tumors elsewhere in the skin are anus, may be treated by wide local excision (291)

Irradiation is considered interior to surgical technique of radical groin dissection.

the associated intection. view to rendering these resectable by eliminating ray therapy for fixed inoperable cancers with a volving the mucosa. He also employs roentgen when they have small, movable lesions usually inirradiation in old debilitated persons particularly form of therapy well (267). Pack (267) employs Parenthetically, the anus does not tolerate this for early superficially invasive papillary lesions. (337a) although it is practiced by radiotherapists tive procedure for the relief of local symptoms excision either as a method of cure or as a pallia-

glands in continuity or at a later date. Irradiation the removal of the pelvic, retrorectal, and inguinal of an abdominoperineal resection of the rectum, cous junction demands radical surgery consisting cnesion) which usually arises at the mucocutanmelanoma (see elsewhere in the text for a full dis-Melanomas. The treatment of this anorectal

sarcoma, and hemangiomas are discussed briefly Therapeutic implications of lymphosarcoma, is completely useless.

tern saft variab meonlasm during the first resection (abdominoperineal or end-to-end anascomplicating pregnancy. He recommended: (1) the seventy-eighth case of cancer of the rectum Cancer in pregnancy. Jennings (188) described in the chapter on pathology.

> hstand the orthompromised surgiing is that a pam suosgins kurt fly, this surgical tdures such as the so are considered

ether a resectable er in text). quire extended rethose which are lausu nadi teliw re advised for the is the removal of ed nor freely movsucceed movement require extended is grossly or are -ni those that inion, have divided Sugarbaker and and involved organs, primary tumor cent organs calls ded to, that can-There is a uni-

e the bladder and i "than he will it r al period of life in vith Ravdin (286) mary neoplasm. ver, lungs, bones)

this ultraradical volvement, have, VIC CANCET OF TEC-, advocates of peloperative techtat cannot be exsurgical therapy bresent, for the hile and that it is state that this pelvic exenterathe first 100 pro-

stigational phase.

Pathogenesis. predictable and cal course, and

thromboanguitis M Vasculitis resem as no clue to the halt of their mail tion in 50 per cen crypt abscess (39, c local vasculitis scribed two dist

metachromatic 🖺 sue, the interven mucous membra the reticulum is ! of the basement il abscesses form. 🧗 cells is altered; this type the base corresponded to M including phase in were examined w mucosal material; ease. Biopsy sall indicate that ulche believe that conf New concept. Is

The validity of connective tissue continuity of the dynamic elementi tine. Apparently volving inflamm lymphogranulom! brane remains some areas. Full (ACTH), the lost

During succes

presented clinica Reversibility. been considered 🦓 nective tissue. alterations of ex are characterized since Klemperer

moted reversal of

reversibility in u

when these are directly involved by direct exten-

patients (68 per cent) the colostomy control was basis of their opinions and performance. In 27 evaluated the colostomies in 40 patients on the Colostomy. McLanahan and Gilmore (239) sion of the cancer.

patients (5 per cent). while complete invalidism was observed in 2 per cent) had curtailed their former activities, perienced by 17 patients (42.5 per cent); 21 (52.5 A return to normal preoperative activities was extrol and to them the colostomy was unacceptable. satisfactory; in 3 (7.5 per cent) there was no con-

and stenosis, and I experienced bleeding from the tomy stoms, 3 had prolapse, 2 each had a fistula weakness of the abdominal wall about the colos-Eleven patients had either hernia or definite

stomal mucous membrane.

power (221). establish regular habits by means of diet and willrequire irrigation (every other day) but many re-The use of a bag is discouraged. Most patients

perforation, that irrigations are not without danger, such as Michels (365). It should, however, be recalled well discussed and illustrated by Turnbull and nent colostomy by means of diet and irrigation is The management of the patient with a perma-

tion, and (11) particularly the psychic reactions. (9) intection of the urinary tract, (10) perforacession of the colostomy loops, (8) hemorrhage, tion of the colostomy stoms, (7) necrosis or refunction, (5) small bowel obstruction, (6) obstruc-(1) stricture, (2) hernia, (3) prolapse, (4) poor They discussed in some detail the following: well discussed by Birnbaum and Ferrier (39a). The complications of abdominal colostomy are

trusions. Their technique is well described. membrane to the skin, thus eliminating any prothe original operation and suturing the mucous tomy stoma, amputating it about a fortnight after method of surgical reconstruction of the colos-Campbell and Schaerrer (65) developed a new

by means of chlorophyll. The former inserts a tecal odor emanating from the colostomy stomas (382) have succeeded in eliminating the offensive Goodman (142), and Weingarten and Payson

a sufficiently reliable index of vascularity and funcactive phosphorus. The presence of P32 appears to be grafts by means of tracer techniques with radio-

bility of the graft, (2) infection, (3) operative traufluenced by the following factors: (1) incompatiresult of the vascular graft will be. This may be inhigher the Pas count) is the poorer the functional the more violent the inflammatory reaction (the Experimental evidence indicates, however, that tion of such arterial grafts.

that the adventitia is the main source of blood supply study also confirms by a functional method the fact flammatory reaction were much higher. The present showing thrombosis, necrosis, hemorrhage, and inthan the mean of all grafts, while those for grafts for the satisfactory-functioning gratts averaged lower The authors found that the radioactivity counts new circulation, and (3) diffusion from tissue fluids. adsorption, (2) entrance of the graft by means of a accounted for by three procedures: (1) physical Radioactive phosphorus within the graft can be ma, and (4) change in the graft due to storage.

EDWARD F. LEWISON, M.D. age of the grait. detection of the radioisotope P32 increases with the Within the limits of the experiments described the with the microscopic picture.

tor graits when the isotope detection is correlated

tion on the Fate of Aortic and Vena Caval Homografts in the Growing Pig. Ann. Suvg., 1952, Sauvage and Henry M. Harkins. Ann. Suvg., 1952, An Experimental Study of the Effects of Preserva-

:swollot The conclusions which the authors reached were as the abdominal aortas of young pigs are reported. 10 per cent homologous serum at 4° C.) implanted in served in Ringer's or Tyrode's solutions containing nor vens caval homografts of short length (prestorage. The results in 50 delayed aortic and intestored, it is important to study the effect of such and since aortic grafts would probably have to be such as in certain cases of coarctation of the aorta, tor the replacement of blood vessels are necessary, Since there are definite instances in which grafts

2. The incidence of degenerative oberner changes in these grafts with the growth of the pig. of thrombosis or the pattern of the dimensional does not significantly influence either the incidence defects in the abdominal aorta of the growing pig the homogratts described prior to implantation in 1. The duration of the period of preservation of

> MANFREDI, M.D. ileg is thus possible. culation about the thus are made and aneus or the distal ice is injected into erculation, Under tion of radiopaque ssion by describing

M. Arch. Surg., 1952, I Repair. JAMES E.

sue tor the intended s and microscopic up to 1 year followstully. Examination nd a lower percents and as tubes. A grafts were placed oneal surface sub-The posterior rectus repaired with autovestigation are reundertaken with 30 cellent possibilities. rectus sheath with ney indicate that a recuirt tissue could dicate the possible ut its hazards, in and preservation oplems of procureed to laubivibai from the same inessel, it is best re--sb a ii that if a de-

nre in case vessel rein gratts, but it is lescribed method is

F. LEWISON, M.D.

ver, the mechanism considerable success as gratts of arteries experience to show 2nk., 1952, 65: 477. N, DONALD M. GLOV-Phosphorus, CLIF-Slood Vessel Grafts

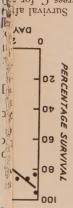


Fig. 2. Survival affill — 15 degrees C. for 7 days (case 9).

The concentratic in a single shall be to the red cell vival of the red cells utivity of the red control fresh red control fresh recovers was derived frozen and stored foocurred after frees occurred after frees and stored foocurred after frees and stored foocurred after frees occurred after frees and stored foocurred fo

cells were recovered covery was derived frozen and stored for occurred after freez mean survival of the after transfusion were removed from as the control fresh stored at -15° ar similar to that obtainilar to that obtaining the control freeh stored at -15° ar similar to that obtaining at -79°.

Lysis of cells du believed to be car than biochemical f -79° was demonst reactions did not of popular transfusions

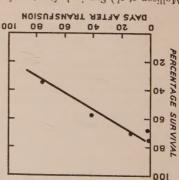


Fig. 1 (Mollison et al.) Survival after translusion of red cells stored at -79° C. for 6 months and at $+4^\circ$ C. for 111 days (case 4).

eter following implantation in defects in the abdominal aorta of the growing pig.

5. Both Ringer's solution plus to per cent homologous serum and Tyrode's solution plus to per cent homologous serum are satisfactory fluid media for preservation at temperatures slightly above °° C, of vascular segments to be used in the abdominal aorta of the growing pig. Leroat

BLOOD; TRANSFUSION

Survival of Translused Red Cells Previously Stored for Long Periods in the Frozen State. P. L. Mor-LISON, H. A. SLOVITER, and H. CHAPLIN. Lancel, Lond., 1952, 263: 501.

Concentrated suspensions of Group A type N blood were mixed with 15 per cent glycerol and frozen and stored at -79° C. and at -15° C. for periods up to 8 months. After thawing for a period of 7 to 8 days, the glycerol was removed by dialysis and the red cells were transfused into 10 patients. Each patient was infused intravenously both with the frozen cells and fresh red cells which served as controls. All but 1 of the recipients were female. They belonged to group A, Rh and M positive.

to lesiever beton a stream inserts a noted reversal of